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THE INDUSTRIOUS HEN

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DECEMBER, 1915



Blair-Young Publishing Co.
INCORPORATED
Louisville ----- Kentucky

THE Industrious Hen

Absorbing Poultry Ideas, Louisville, Ky.; Practical Poultry, Birmingham, Ala.; The Poultry Times, Norfolk, Va.; Southern Poultry Magazine, Nashville, Tenn.; The Poultry News, Bustleton, Pa.; Tennessee Poultry Journal, Lebanon, Tenn.; The National Poultry Breeder, Owensboro, Ky.; Everybody's Poultry Journal, Nashville, Tenn.

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COLLINS YOUNG, President and Manager.
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J. GAYLORD BLAIR, Managing Editor.
EDW. M. GRAHAM, Associate Editor.
W. J. SMITH, Artist.

SUBSCRIPTIONS—One year 50 cents; three years \$1.00. Foreign subscriptions 75 cents. In order to start with current number, the subscriptions must be received at the office by the 10th of the month.

PUBLISHERS' ANNOUNCEMENT—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. THIS IS IMPORTANT. New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

WE ALWAYS STOP THE MAGAZINE at the expiration of the time paid for unless a renewal of subscription is received. Those whose subscriptions have expired must not expect to continue to receive the magazine unless they send the money to pay for it another year.

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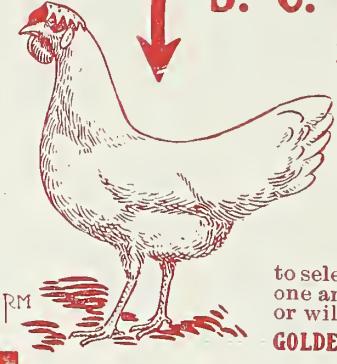
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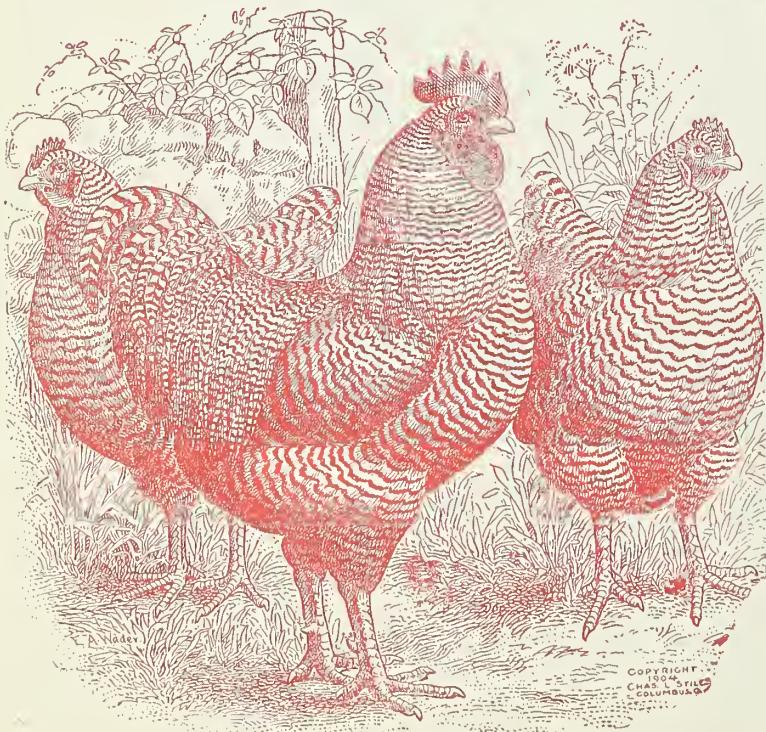
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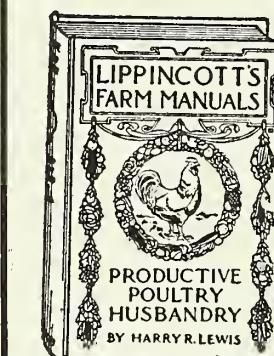


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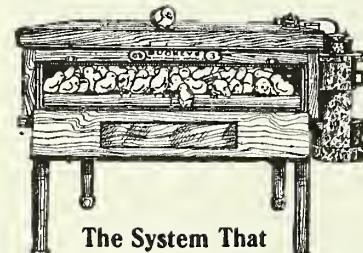
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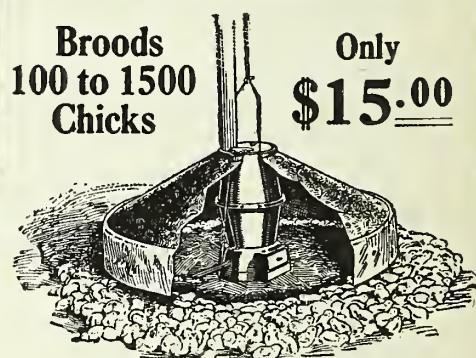
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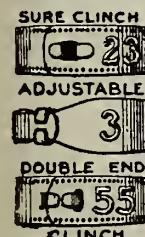
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The best lot of cockerels and pullets I have ever raised; also nice lot of yearling hens. Write for prices and show record.

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We can furnish choice early hatched cockerels for breeding and exhibition purposes. Free range birds, bred from heavy layers. Satisfaction guaranteed. Write us your wants. N. V. FOGG, Box No. 4250 Mt. Sterling, Ky.

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Twice Told Tales Savings of Funny People

His Own Rail.

Old Mose was so notorious as a chicken thief that all the thefts in the neighborhood were charged to him. Finally a man in the neighborhood had all his turkeys stolen, and the negro was arrested.

"You stole Mr. King's turkeys?" asked the judge.

"No, I didn't, sir," said Mose.

"Well, how was it they were found at your house, then?" continued the judge.

"Well," said Mose slowly, "I'll tell you, suh. I neveah stole dem turkeys; but las' night I went 'cross Mr. King's pastah an' seen one of my rails on the fence, so I jus' brought it home. And, suh, when I come to look, dar was nine turkeys settin' on de rail."—Poultry Item.

A Pleasantry That Recoiled.

Paddy Doolan went into a shop one day to buy eggs.

"What are eggs today?"

"Eggs are eggs today, Paddy," replied the shop man, looking quite triumphantly at two or three young lady customers who happened to be in the shop.

"Faith, I'm glad to hear you say so," replied Paddy, "for the last ones I got here were chickens."—Exchange.

Brown—There seems to be a strange affinity between a darky and a chicken.

Jones—Naturally enough. One is descended from Ham and the other from eggs.—Exchange.

Put in Human Interest.

An old negro preacher, says The Atlanta Constitution, gave as his text: "De tree is known by its fruit, an' it's des impossible to shake de possum down."

After the benediction an old brother said to him:

"I neber knowed befo' dat such a text wuz in de Bible."

"Well," admitted the preacher, "It ain't down dat way. I throwed in de possum to hit de intelligence of my congregation."

An Instinctive Reason.

In a certain school a teacher was giving his class reading. It came to a part about a woman drowning herself. The teacher asked a boy to read again. He began:

"She threw herself into the river. Her husband, horror-stricken, rushed to the bank—"

The teacher said: "Now, tell me why the husband rushed to the bank?"

Quick and sharp came his answer: "Please, sir, to get the insurance money."—Minneapolis Journal.

Uncle Remus at Home.

"Uncle Remus," roared Colonel White, who had been aroused in the middle of the night by a suspicious noise in his poultry house, "is that you in there, you black thief?"

"No, sah," humbly rep'ed a frightened voice. "Dis is mah cousin, dat looks so much like me, and steals everythin' he can lay his han's on. Ah's at home dis minute, sah, sleepin' the sleep ob de just."—Rural Life.

Young Lady (just from boarding school, at dinner table)—Please, papa, I'd like a leg of the roast chicken.

Papa—You have had one, my dear, and your brother has the other.

Young Lady (in sprightly manner)—Oh, sure enough! A chicken has only two legs. It's a duck that has four.—Puck.



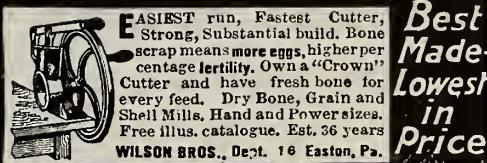
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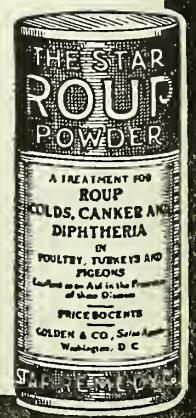
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No. 7

FEEDING FOR WINTER EGG PRODUCTION

If Your Hens Lay Good During the Winter Months Your Profits are Bound to Increase, as Winter Eggs Always Bring High Prices. To Get Winter Eggs You Must Supply the Right Kind of Feed. Read the Article Below, This Will Help You Get More High Priced Eggs.

By R. H. WILKINS, Agricultural Experiment Station, Lexington, Ky.

WINTER eggs cannot be produced without giving special attention to the birds by placing them under spring conditions in so far as it is possible to do so during the cold winter months. It is not a difficult proposition to secure a winter egg yield of 25 per cent or more if the fowls are in a house that is dry, well ventilated, free from draughts, has an abundance of sunshine and is clean and sanitary. In addition, the matter of feeding is of paramount importance, and can only be understood by a thorough and comprehensive study of the feed, the hen and the finished product—the egg.

In feeding for winter eggs it is essential to furnish a liberal supply of those feeds best suited to produce the greatest activity of the reproductive system of the hen. The kind of food consumed determines to a great extent the character of the product, and it is self-evident that a close relationship must exist between the food and the product desired.

The composition of a hen's body and of a newly laid egg follow and shows the relatively high protein content of the egg:

	Water	Ash	Protein	Fat
Composition of hen's body	55.80	3.80	21.60	17.00
Composition newly laid egg	65.70	12.20	11.40	8.9

Now a study of the composition of the more common poultry foods explains why it is necessary to feed a variety ration and not limit one's self to a single grain.

	Ash	Protein	Carbo-hydrates	Fat
Corn	1.5	8.4	64.29	4.4
Wheat	1.8	8.9	62.5	1.11
Oats	3.2	8.1	53.5	4.2
Wheat bran	5.8	11.0	24.79	1.48
Ground oats	3.2	8.1	53.5	4.2
Wheat middlings	3.2	16.9	52.2	4.1
Oil meal	5.5	29.1	30.3	6.9
Corn meal	1.4	6.9	59.1	3.3
Alfalfa	8.8	10.5	26.9	0.9
Gluten meal	1.5	29.7	41.0	6.1
Meat scrap (H. G.)	4.1	65.9	0.0	13.01

From the foregoing table it can be seen that corn contains the highest per cent of carbohydrates, and this would therefore constitute a large portion of the diet for capons or roosters, where a high fat content is desired in the finished product. Meat scrap carries a very high protein content (65.9 per cent) and is therefore essential in feeding for egg production, as can be seen from the above analysis of the egg which contains 21.6 per cent protein. This comparison of different poultry feeds explains why we cannot expect large egg yields from birds fed a single grain, such as corn. It also shows that a variety ration must be fed in order to place the birds in the best condition and thus obtain maximum egg yields.

Feeding a Balanced Ration.

While it is true that we do not know the digestible coefficient of poultry foods, owing to the peculiar physical structure of the hen's body, we must assume that fowls

require practically the same digestible coefficients as do other farm animals, if we are to even attempt the feeding of a balanced ration.

The following is being fed at the Kentucky Agricultural Experiment Station, and constitutes a well balanced ration, having a nutritive ratio of 1:4.7. It includes a variety of ingredients, tending to make it palatable, and at the same time furnishing a liberal supply of those elements which enter into the egg.

Mixture No. 1—Scratching Ration.

	Amount (Lbs.)	Dry Matter	Ash	Pro- tein	Carbo- hydrates and Fat
Cracked corn	200	89.0	1.5	7.9	74.40
Wheat	200	180.0	3.6	20.4	146.00
Oats	100	89.0	3.0	9.2	56.80
	500	358.0	8.1	37.5	279.20
Nutritive ratio 1: 717.					

Mixture No. 2.

	Dry Mash (Lbs.)	Dry Matter	Ash	Pro- tein	Carbo- hydrates and Fat
Corn meal	60	53.4	0.90	4.74	45.84
Wheat bran	30	26.4	1.74	3.66	13.59
Wheat middlings	30	26.4	1.14	3.84	18.21
Ground Oats	30	89.0	3.00	9.20	56.80
Beef scraps	50	44.65	2.05	33.10	16.15
Salt	1				
Alfalfa meal	10	9.20	0.74	1.10	4.23
	211	249.05	9.57	55.64	155.22
Nutritive Ratio 1: 2.78.					

Nutritive ratio of mixture Nos. 1 and 2 combined, 1: 4.7.

Method of Feeding.

In feeding a ration of the above character which includes two groups of feeds, one of grain and the other of ground food, it is important that the fowls consume a proper portion of each so that the ration will be perfectly balanced. Experience teaches us that a hen should consume about twice as much grain as dry mash if the best results are to be obtained. By feeding about three pounds of grain in a deep litter to each 100 birds each morning, the fowls are forced to work and earn their breakfast. If the birds are given a heavy feed in the morning, it only follows that they stand around in a listless attitude the remainder of the day, and it must always be remembered that "the busy hen is the laying hen." About noon after the fowls have been busy all morning working for their breakfast, the hopper containing the dry mash should be opened up and the birds allowed access to it the remainder of the day. At night the fowls should be given a liberal amount of grain mixture, in the portion of about ten to twelve pounds to each 100 hens. With a heavy grain feed at night all the birds are sure of going to roost with a full crop, which enables them to maintain sufficient body warmth to tide them over during the coldest winter night without any great retardation of their reproductive organs.

Grit and shell should always be before the birds in open hoppers. Without grit the hen cannot grind her food and without a liberal amount of lime which is best furnished in the form of oyster shell, the shell of the egg cannot be formed. None of our poultry feeds contain enough lime or grit to supply the natural wants of the hen, and it is not safe to assume that she will gather all she needs by foraging on free range.

The last and also the most important poultry food is plenty of fresh, clean and wholesome water. Fifty-five per cent of the hen's body and sixty-five of a fresh egg is composed of water; and it is plain to be seen that fowls receiving a contaminated and insufficient supply of this element can never do justice to themselves as regards the production of wholesome eggs.

If the above suggestions are followed out it will be found that the hen is consuming about the proper portion of those foods which tend to make up a balanced ration; and thus is completed the cycle of production, which includes the raw material (food), the machine (hen) and the finished product (the egg).

SPROUTING OATS FOR THE HENS.

If You Have One Dozen or One Thousand Hens, You Should Feed Sprouted Oats in Winter—It is a Great Egg Producer at a Small Cost—Read the Article Below and Start Now.

EDITOR'S NOTE.—We clipped the following from the Australian Hen and Kennel Gazette, knowing that our readers would be interested in learning more about sprouted oats and their feeding value in winter. It is the cheapest and best egg producer known and especially during the winter months when other green food is hard to get.



AVING proved the value of sprouted oats as a green food for hens, I will give details of the best methods of preparing this valuable and easily obtained food. Many of our leading breeders are using this food and know how to prepare it, but, however, there are many who are not using it and who require a cheap green food that can be made by poultry keepers with a limited space at their disposal. It is for these benefit that this article appears.

First of all, oats sprouted to one and one-half inches gives better results than those with longer sprouts. The reason of this is that the birds like them better and eat more. One of the troubles of sprouted oats is their tendency to mould; this, however, can be easily eliminated by the use of formalin. To start, get the desired quantity of oats, soak them for twenty-four hours in lukewarm water, then drain off the water and dump the swollen oats into boxes or flats about two and one-half inches deep and place them in a sack that can be easily made. In the first two or three days the oats should be thoroughly stirred or raked over two or three times daily, thus distributing the moisture evenly. As soon as the sprouts get sufficiently long, so as to form a tangled mass, stirring must be finished, as there is danger of breaking the sprouts and checking growth. Moisture in the form of lukewarm water should be supplied twice daily. The oats must be kept wet. An ordinary watering can is best for use.

The temperature should be between 70 and 80 degrees for best growth, and it takes from seven to ten days to make the growth of the green stuff from four to six inches in length. This food can be fed when the sprouts are one inch long right up to the full length of six inches. It is best, however, to withhold water for a couple of days from the oats that are to be fed, as this allows them to harden off and thus give better results. When no other green food is given, about one square inch per day is the proper amount to feed each hen. This is a laxative food and it should not be given too freely.

To prevent mould use the formalin mixture—equal parts formalin and water. Bottle up this solution and add seven to ten drops to each pail of water that is used to soak the oats. The boxes or flats should also be treated to a scrub with water diluted as for soaking oats.

Another method is to half fill a tub with the best full oats you can get. Pour in enough warm water to a little more than cover the oats and let it stand in a warm place for two or three days in summer, and a little longer in winter. On the morning of the fourth day, add more water to fill the tub, and stir the oats around, then drain off all the water. Fill the tub again and thoroughly rinse

all the oats. This prevents mold troubles. Do this again for the third time, then drain off all the water. Now tip the oats into two clean tubs and set aside for four or five days to finish the sprouting. The oats must be kept in a warm room or place all the time. In about eight or ten days the oats will be ready to feed, with a nice little crisp sprout on one end and a small root on the other. If after the oats have been removed from the first tub, the top ones are getting dry, stir them around—it is best anyway to stir them now and again. If they seem to be getting dry right through, just sprinkle them with enough warm water to moisten them through, but not enough to stand in bottom of tub. Wash out your tubs clean after each lot is used and refill. Don't wait till one lot is used up before you sprout more. Keep a supply. Do not let the sprouts take too much root before using as this lessens the food value. Oats are valuable food, sprouted or dry, but the fowls will eat them with more relish when sprouted if the shoots are only one-half inch in length. Should you only have a small quantity of birds, enough oats can be prepared by placing a small quantity between two corn bags and by keeping the bags wet for a couple of days, and damp for the remainder; the oats will sprout in this way. Dry the bag again and proceed as before. With four bags a supply for a few birds can be kept up easily.

FOURTH EGG-LAYING CONTEST AT MOUNTAIN GROVE CLOSES.

Barred Plymouth Rocks Win—Fifth Contest Begins with Twenty-three Varieties from Twenty-three States and Two Foreign Countries—All Hens Average 152 Eggs Each for Four Years—Ten Per Cent of Hens Lay Over 200 Eggs in One Year.

By C. T. PATTERSON, Pathologist, Missouri State Poultry Experiment Station, Mountain Grove, Mo.

ON OCTOBER 31, 1915, the fourth egg-laying contest at Mountain Grove, Mo., closed, and on November 1, the fifth contest began. The fourth contest was in two parts, the Missouri and the National, the Missouri contest being made up of pens from Missouri, while the National was composed of pens from Missouri, other States and foreign countries. The fifth contest is called the National contest, and is composed of 106 pens from twenty-three different States and two foreign countries. Each pen contains five hens and one substitute, which is used in case one hen should die or become incapacitated.

The varieties in the fifth contest are:

S. C. White Leghorns,	R. C. Reds,
R. C. White Leghorns,	S. C. Rhode Island Whites,
Buff Leghorns,	R. C. Rhode Island Whites,
Black Leghorns,	Barred Rocks,
Brown Leghorns,	White Rocks,
Anconas,	Missouri White Fluffs,
Rhinelanders,	Buff Orpingtons,
R. C. Black Minorcas,	Black Orpingtons,
White Wyandottes,	White Orpingtons,
Silver Wyandottes,	Black Langshans,
Columbian Wyandottes,	Oregons.
S. C. Reds.	

The States and number of pens from each are:

Missouri	50	New York	5
Illinois	4	Pennsylvania	5
Iowa	5	Kansas	3
Wisconsin	3	Ohio	3
Indiana	3	New Jersey	2
California	3	Texas	2
Oregon	2	Michigan	3
Washington	2	England	2
Connecticut	2	Louisiana	1
Nebraska	1	South Dakota	1
Kentucky	1	West Virginia	1
North Dakota	1	Canada	1

The following tables give the variety and number of eggs laid by the pen winning the cup for each month during the four contests:

FIRST CONTEST, 1911-12. FIVE HENS.

Nov., Black Orpingtons.....	101
Dec., S. C. Reds	110
Jan., Buff Orpingtons.....	105
Feb., Buff Orpingtons.....	107
Mar., R. C. Reds	126
Apr., B. P. Rocks.....	137
May, S. S. Hamburgs	130
June, S. C. White Leghorns.....	119
July, S. C. White Leghorns.....	119
Aug., B. Plymouth Rocks.....	107
Sept., S. S. Hamburgs	97
Oct., Silver Wyandottes	90

SECOND CONTEST, 1912-13. TEN HENS.

Nov., Silver Wyandottes.....	60
Dec., S. C. White Leghorns.....	222
Jan., S. C. White Leghorns.....	213
Feb., White Orpingtons.....	195
Mar., Black Langshans.....	248
Apr., Buff Wyandottes.....	240
May, S. C. Brown Leghorns.....	230
June, Anconas	212
July, Anconas	210
Aug., R. C. White Leghorns.....	171
Sept., Buff Wyandottes.....	157
Oct., Buff Wyandottes.....	152

THIRD CONTEST, 1913-14,
TEN HENS.

Nov., S. C. Reds.....	83
Dec., S. C. White Leghorns..	206
Jan., S. C. White Leghorns..	221
Feb., Buff Orpingtons	205
Mar., S. C. White Leghorns..	257
Apr., S. C. White Leghorns..	248
May, S. C. White Leghorns..	257
June, S. C. White Leghorns..	239
July, S. C. White Leghorns..	239
Aug., S. C. White Leghorns..	220
Sept., White Wyandottes....	201
Oct., White Wyandottes....	183

Of the forty-eight months in the four contests, the Single Comb White Leghorns have won 16 cups; Barred Rocks, 6; Buff Orpingtons, 4; Rose Comb Reds, Buff and White Wyandottes, 3 each; Single Comb Reds, Anconas, Silver Wyandottes and Silver Spangled Hamburgs, 2 each; and White Orpingtons, Black Orpingtons, Black Langshans, Single Comb Brown Leghorns, and Rose Comb White Leghorns, 1 each.

During the four contests, 386,030 eggs were laid, of which 6 per cent were laid in January, 8 per cent in February, 12 per cent in March, 14 per cent in April, 12 per cent in May, 10 per cent in June, 10 per cent in July, 8 per cent in August, 7 per cent in September, 5 per cent in October, 3 per cent in November and 5 per cent in December.

One of the many interesting features of the fourth contest was the very close race between the two leading pens. Both pens were Barred Plymouth Rocks, exhibition quality, Pen 34 belonging to Mrs. J. H. Mitzel, Pleasant Green, Mo., and Pen 40 belonging to Mr. E. B. Evans, Mountain Grove, Mo. The hens are very much alike in size, shape and general appearance, but not related in any way. Their records were very close all the way through the contest. From January on for ten months the two pens did not vary over fourteen eggs at any time, closing with only one egg difference. Their monthly totals follow:

	Pen 34	Pen 40		Pen 34	Pen 40
November	4	99	May	614	600
December	62	108	June	715	701
January	176	176	July	812	806
February	269	266	August	903	909
March	386	383	September	996	999
April	508	496	October	1,049	1,050

The ten highest pens for the year are as follows:

Pen.		Eggs.
40.	Barred Plymouth Rocks	1,050
34.	Barred Plymouth Rocks	1,049
6.	Single Comb White Leghorns	971
0.	Single Comb White Leghorns	957
10.	Single Comb White Leghorns	957
38.	White Plymouth Rocks	944
18.	Single Comb White Leghorns	931
2.	Single Comb White Leghorns	897
26.	Buff Wyandottes	891
14.	Single Comb White Leghorns	887
23.	Buff Wyandottes	887

The five highest pens for October are as follows:

Pen.		Eggs.
18.	Single Comb White Leghorns	85
32.	White Plymouth Rocks	78
8.	Single Comb White Leghorns	70
29.	Silver Wyandottes	70
23.	Buff Wyandottes	69
24.	White Wyandottes	69

Estimating that eggs average 20 cents per dozen and that it costs \$1.00 to feed each hen a year, the hen which lays sixty eggs in a year just pays for her feed; and estimating that it costs one-half as much for housing and labor, the hen which lays ninety eggs per year just pays her keeping. The hen which lays 100 eggs in one year makes a profit of ten eggs, while the hen which lays the sum of 120 eggs in one year makes a profit of thirty eggs, and is therefore three times as profitable as the hen which lays 100 eggs. The hens which lay 200 eggs per year are 110 eggs profit, which would be \$1.83 1-3 profit. Considering this as interest at 8 per cent on an investment, the hen would be worth \$22.91. This estimate is considered from a commercial viewpoint and not from a fancier's or breeder's viewpoint. The only breeder's consideration given is that the hen would reproduce herself so that the investment would be continuous.

Two hundred and forty-nine hens in the four contests laid 200 eggs or over in one year. This is approximately 10 per cent of the hens in the contests, while 358 or 14 per cent of the hens in the contests laid less than ninety eggs in one year. All hens in the four contests averaged 152 eggs each.

Twenty-five hens in the fourth contest laid 200 eggs or over during the year. They are as follows:

FOURTH CONTEST, 1914-15,
FIVE HENS.

Hen.	Pen.	Eggs.
2.	23. Buff Wyandotte	247
3.	34. Barred Plymouth Rock	243
4.	32. White Plymouth Rock	240
Jan.	14. Single Comb White Leghorns	234
Feb., Buff Orpingtons	40. Barred Plymouth Rock	225
Mar., S. C. White Leghorns..	6. Single Comb White Leghorn	222
Apr., S. C. White Leghorns..	5. Single Comb White Leghorn	217
May, S. C. White Leghorns..	3. Rose Comb Red	216
June, S. C. White Leghorns..	4. Single Comb White Leghorn	215
July, S. C. White Leghorns..	3. Single Comb White Leghorn	214
Aug., S. C. White Leghorns..	1. White Plymouth Rock	214
Sept., White Wyandottes....	10. Single Comb White Leghorn	210
Oct., S. C. White Leghorns..	5. Single Comb White Leghorn	207
	2. Single Comb Red	207
	43. White Wyandotte	206
	4. Single Comb Red	206
	4. Single Comb White Leghorn	205
	1. 34. Barred Plymouth Rock	205
	18. Single Comb White Leghorn	204
	23. Buff Wyandotte	203
	2. 17. Single Comb Black Minorca	202
	2. 40. Barred Plymouth Rock	201
	5. 0. Single Comb White Leghorn	200
	1. 38. White Plymouth Rock	200

A pen of R. C. Rhode Island Reds won in the first contest with an average of 208 eggs per hen.

A pen of S. C. White Leghorns won in the second contest with an average of 207 eggs per hen.

A pen of S. C. White Leghorns won in the third contest with an average of 229 eggs per hen.

A pen of Barred Rocks won in the fourth contest with an average of 210 eggs per hen.

Pen 19, S. C. White Leghorns, from Hannibal, Mo., won the cup for October in the Missouri contest by laying 85 eggs.

The total number of eggs laid during October in this contest was 1,753.

The ten highest pens for twelve months in this contest are as follows:

Pen.		Eggs.
21.	Single Comb White Leghorns, England	939
75.	Rhode Island Whites, Illinois	845
19.	Single Comb White Leghorns, England	844
1.	Single Comb White Leghorns, Pennsylvania	830
74.	Single Comb Reds, Pennsylvania	824
76.	Rhode Island Whites, New Jersey	795
3.	Single Comb White Leghorns, Pennsylvania	789
29.	Single Comb Black Leghorns, Georgia	755
8.	Single Comb White Leghorns, Kentucky	754
12.	Single Comb White Leghorns, Texas	753

The five highest pens for October are as follows:

Pen.		Eggs.
70.	White Plymouth Rocks, Kentucky	89
57.	White Wyandottes, England	88
71.	White Plymouth Rocks, Texas	82
74.	Single Comb Reds, Pennsylvania	79
76.	Rhode Island Whites, New Jersey	74

Pen 70, White Plymouth Rocks, owned by W. B. Jenkins, Glendale, Ky., won the cup for October by laying 89 eggs.

The total number of eggs for the month of October was 2,572.

The 200-egg hens in this contest are as follows:

Hen.	Pen.	Eggs.
2.	1. Single Comb White Leghorn, Pennsylvania	230
129.	21. Single Comb White Leghorn, England	226
73.	13. Single Comb White Leghorn, Pennsylvania	208
514.	57. White Wyandotte, England	208
470.	75. Rhode Island White, Illinois	207
131.	21. Single Comb White Leghorn, England	204
81.	14. Single Comb White Leghorn, Kentucky	202
277.	43. White Orpington, Wisconsin	200

THE PROPER WAY TO FEED A MASH.

Some Valuable Suggestions as to How a Mash Should be Fed to Poultry—Dry Mash Fed from Hoppers Coming into Use More and More Every Year.

By J. C. CLIPP.

HE writer has been asked over and over the question of feeding mashes, and if the hopper feeding method is of any benefit. It is a well known fact by the more experienced poultrymen that wet foods and mashes claim but little attention on the majority of well regulated poultry farms, for the reason that dry feeding has proven of so much better value. While this is a positive fact, yet the mash feeding has not been entirely discarded because an occasional feed of mash is highly relished by the chicks. On our farm the main feeding consists of dry, well balanced rations of the very best grains we can obtain. The hopper method of feeding chicks of all ages has become so satisfactory we seldom feed any other way, except the

very young baby chicks. I know, too, that while the hopper feeding is a sure success and a great labor saver, the feeding of an occasional well prepared mash is good for fowls of all ages and purposes. The only thing we have to be cautious about, and that is not feeding too much. If mashes are fed to an excess it invariably causes bowel trouble and many times it proves fatal. The secret of feeding fowls with the use of automatic feeders is, you establish a sure method for liberal exercise, which is most valuable, especially with yarded fowls or fowls raised in the city back yards. Fowls that are fed with an automatic feeder appear to grow and mature into very large specimens, due I presume to the fact that they get liberal exercise, and at the same time have a ration that is sound and well balanced. I have noticed this season that the fowls that have liberal feeding from the hopper method are large, well proportioned and good in color. It is easy to make culls out of the very best stock by improper feeding. If you feed a lot of sloppy food to a well bred flock of fowls and never feed anything else, what does live will be more or less inferior, off in color, ill shaped and small; At least this has been our personal experience in feeding too much wet foods.

As I said before, if we can feed only occasionally on a well prepared mash we can get good results, but in the main let the feed consist of well balanced dry grains and feed with the latest model hoppers. I never like to feed a chick under two weeks of age any wet food at all, but after this age I believe a well prepared mash once a week will prove good for any variety of chicks.

The trouble with the majority of feeders is, if they feed a mash food at all, they are most liable to feed too much and that causes more trouble than to not feed wet foods at all. Now, when you make a mash of corn meal, wheat bran, table scraps, meat scraps seasoned with pepper and mixed with good sweet milk, you are sure to make a hit with the very best ration possible in the way of a mash food. The mash should not be sloppy, but simply moist enough to make the different articles mix well. But with a good reliable hopper you can place your grain in the magazine on Monday morning and regulate the flow of feed according to the number of fowls to feed and have enough to last from three to five days, according to the number of fowls to feed. It is a great convenience of Sundays. You can fill your hoppers on Saturday evening, regulate the tension and rest assured that the fowls will have sufficient food all day Sunday while you are visiting or gone to church, and possibly Monday. Nothing is of greater satisfaction to the poultryman than to know that his fowls are being well fed, not by a careless reckless hired hand but by a machine that will not falter if properly regulated. If you serve the water automatically with pipes and fountains, then the work is finished, or if you water with large fountains then you can with the modern devices simplify the labor of poultry keeping to a minimum, which means less expense, less food and of course less worry.

The hopper method of feeding for laying hens has no equal, as it gives them just the right amount of exercise, and at the same time just the right amount of food, and last but not least, however, the proper food in which goes to make the greatest egg ration—whole wheat, corn, barley and any number of other small grains I might mention. Of course, if you wish to feed whole wheat and corn and possibly oats, you can do so with a feeder and get good results. Another thing in favor of the hopper feeding is, you keep the grains sealed up from rats, mice and sparrows, which would devour as much grain as the fowls if fed in the old way in straw or on the feeding boards.

We figure that a hopper will more than pay for itself the first season in the saving of grains, saying nothing about the conveniences. Last winter I visited a poultry farm where more than fifty hoppers were in operation. They were feeding White Leghorns, and when I asked if they could detect any difference in the supply of eggs with the hopper method of feeding over the old way of feeding, they replied that there was simply no comparison with the Leghorns, as they had made a steady gain since they installed the hoppers, but with the larger breeds they proved to be too much of a fattening machine and not so good for the Asiatics, but this can be overcome by regulating the tension so that the fowls are compelled to work harder for the grain. After I had showed them how to regulate the tension they said at once the hopper method would take the place of the old way for all their fowls.

A POULTRY HOUSE FOR 100 LAYING HENS.

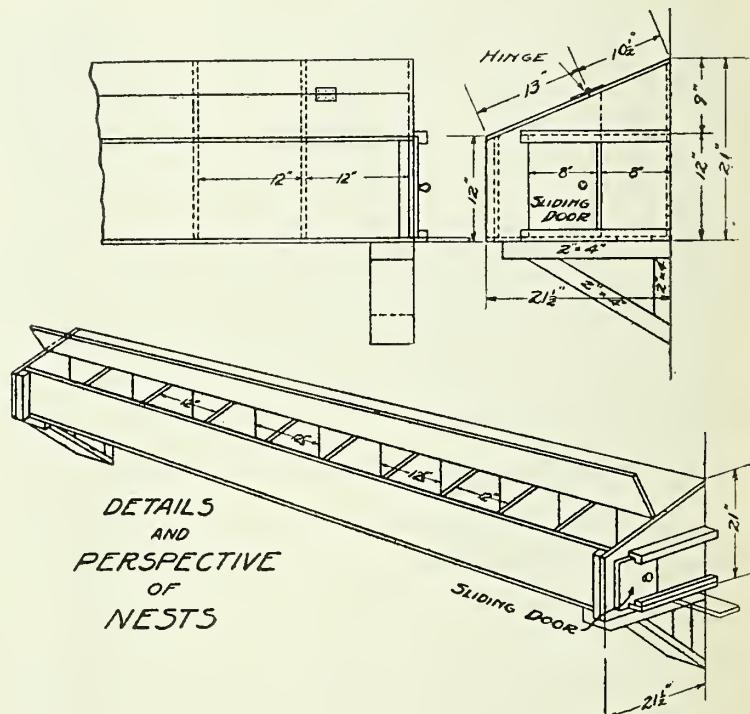
A Good Poultry House is Just as Important as Good Feeding Methods—Unless Your Birds Are Properly Housed You Cannot Expect Profitable Returns.—The House Illustrated Here Can be Built Cheaply and Will Give You Satisfactory Results.

EDITOR'S NOTE.—We are able to give our readers the benefit of this only through the courtesy of the College of Agriculture, Kentucky State University, Lexington, Ky. It is Circular No. 36, by D. D. Slade, of the Extension Division, on poultry house construction. This is an ideal plan for a poultry house and one that has been tried out and proven entirely satisfactory in every way at the Kentucky Experiment Station before being placed before the public. By following the drawings and specifications below you will find little trouble in constructing such a poultry house.



F THE best performance is to be expected from laying hens during any season of the year, they must be given at all times the most congenial surroundings possible. This means that first of all they must be kept in a house which is suitably located, and which furnishes the desirable conditions at a minimum cost. The laying houses should be placed on sloping land, preferably on the southern slope with the house facing south or southeast. This will then receive the direct rays of the sun for the greater part of the day. Low spots should be avoided, as they are apt to be damp on account of improper air drainage. Such places are usually springy and wet, thus increasing the work of cleaning the yards and runs, besides increasing the danger of disease in the flock.

The buildings themselves should be situated with a view towards saving time and labor in caring for the birds. When the plant is complete it should possess a neat and attractive appearance. The exact location of the house must be determined by local conditions, which will nat-

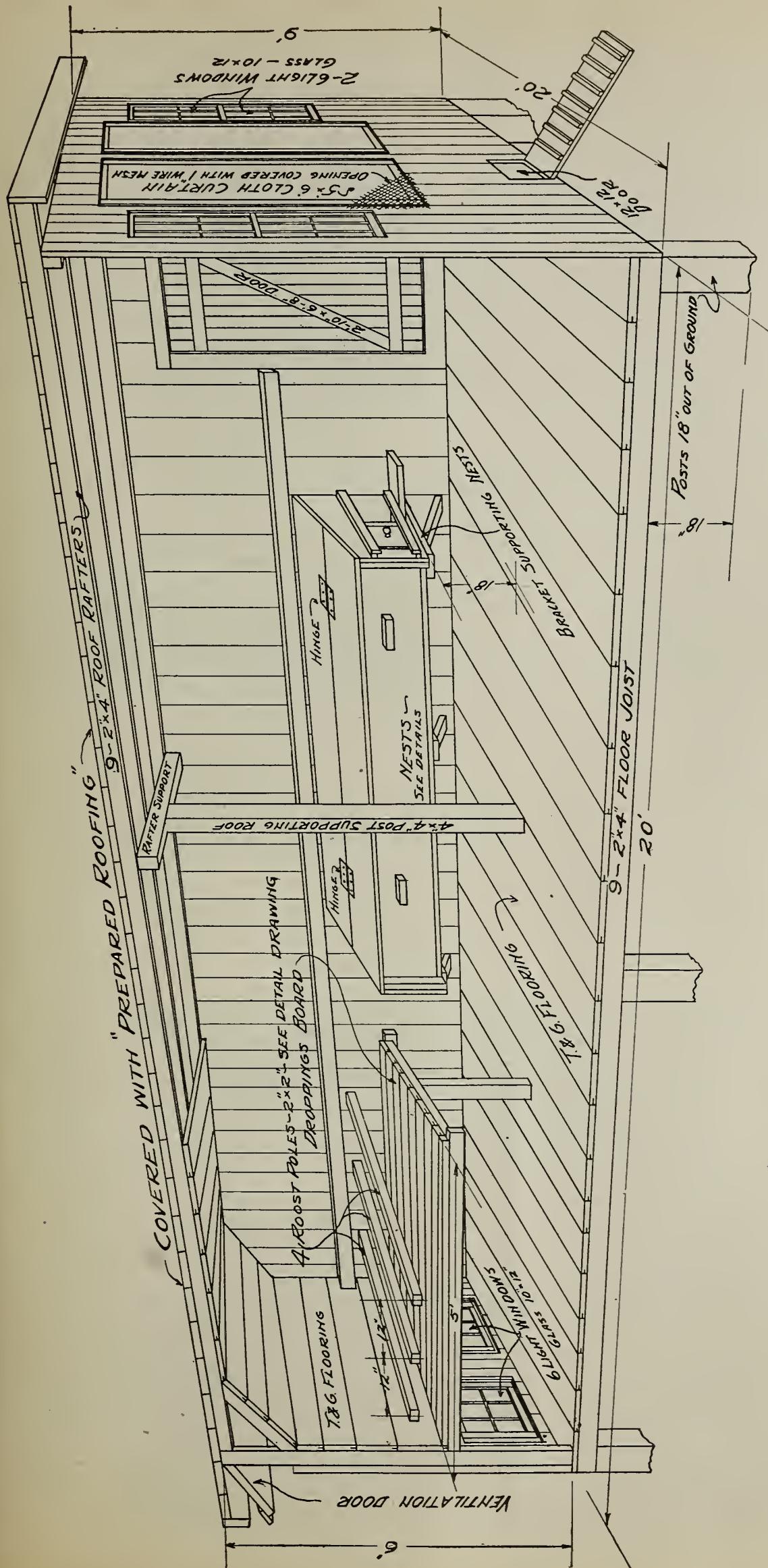


urally vary on different farms. For one thing, they should be placed where they will be protected from prevailing winds and storms and where the birds can have an abundance of range and natural shade.

The Essential Features in a Good House.

Economy in Construction: It is not always necessary to employ only new lumber for poultry houses. Old farm buildings can be utilized to good advantage, especially when the frame and boards are in good condition. In many cases there are buildings about the farm which with a little extra expense for material can be remodeled into efficient houses by putting down a desirable floor cutting openings for muslin curtains, and constructing suitable sheltered roosting places.

A heavy sill and good frame are important for insuring permanence and rigidity. One of the most economical types of construction involves the boarding up of the roof and side walls with rough material, and covering this with some good grade of roofing paper on the roof, and battens on the sides.



Convenience in Caring for the Birds: In planning the house provision should be made for as many labor-saving devices as possible, such as large self-feeding hoppers for the dry mash which require filling but once a week, drinking vessels which make the environment more congenial, thus acting as a tonic to the birds and can be quickly and thoroughly cleaned when necessary.

Direct Sunlight Should Reach Every Part of the House as Much of the Day as Possible: Sunlight is the best germ destroyer known, cleansing the parts of the house where it shines. It also adds warmth and makes the environment more congenial, thus acting as a tonic to the birds during the short winter days and inducing a heavier production.

Freedom from Moisture is Essential: The two kinds of moisture which have to be avoided in poultry houses, where the layers are to be kept in a healthy condition, consist of condensation moisture and surface soil water. The first is caused by the condensing of atmospheric moisture on the ceiling and rafters. This is usually due to lack of sufficient head room and more often to insufficient ventilation and fresh air. This condition can be corrected by substituting muslin for the glass fronts and thus insuring plenty of circulation. The second is usually seepage water, working its way under the foundation and up through the dirt and dampening the litter. This should be guarded against by proper drainage under the foundations when the house is built, and by the construction of a suitable floor.

The House Should be Well Ventilated Without Causing Drafts to Blow Directly on the Birds: An abundant supply of oxygen is essential if the birds are to perform the normal body functions. It is especially needed where a large number are continuously crowded together in close quarters during the entire winter, as is true of most laying houses. It can best be supplied by the use of a liberal amount of muslin in the front of the house. Such curtains allow at all times fresh air to pass in and the impure air to pass out, and this change takes place without drafts or rapid movement of the air. The muslin acts as a sieve or buffer.

The Birds Should Be Given Plenty of Room for Exercise: Exercise is essential for the health of the individuals and to prevent them from taking on too much surplus fat, a condition which would be detrimental to heavy egg production. The exercise can best be provided by feeding all grain

rations in deep litter on the floor. The number of birds which can safely be kept in a house of given dimensions will depend somewhat upon the breed, and largely on the experience of the poultryman caring for them. Under average conditions it is safest for the amateur not to crowd the birds too closely, keeping about one bird to every four and one-half or five square feet of floor space. The expert, however, who thoroughly understands the needs of sanitation, can successfully keep as many as one bird to every two and one-half square feet of floor space.

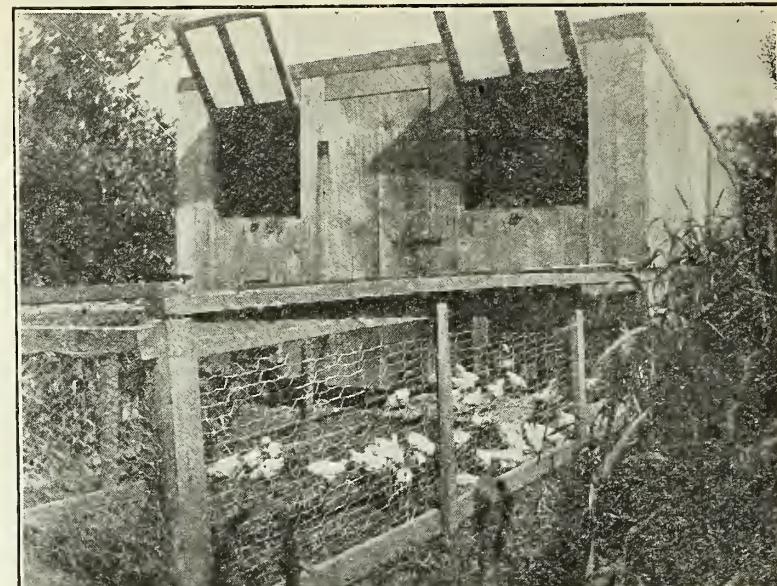
Protect the Birds from Cold Without Keeping Them too Warm: Birds will stand intense cold much better than a warm atmosphere. If the house is drafty as well as damp the birds become subject to colds which rapidly develop into forms of roup that quickly put them out of laying condition. The poultryman should so arrange the house that the temperature of the birds' bodies will be conserved when necessary during very cold weather. This can be done by the use of muslin drop curtains in front of the perches. At no time should the temperature in the house be allowed to become low enough to freeze the birds' combs.

The House Should be Made as Nearly as Possible Rat and Vermin-Proof: Rats are often a source of great loss, caused directly by their killing young pullets. The cost of a good concrete floor will often be saved in one year by making the house absolutely rat-proof. In this way a great saving is accomplished in the feed bill, for a family of full grown rats will eat about as much dry mash as a flock of twenty-five laying hens. The internal construction of the house should be as plain as possible, and should offer few hiding places for lice and mites. All internal fixtures should be made movable so that they may be taken out of the house occasionally, and thoroughly cleaned.

The principles outlined above can be most economically worked out to suit Kentucky conditions in a house conforming very closely with the following type. The house described is the style of house quite widely used and is one well adapted to general farm conditions. It is a permanent structure built upon a substantial post foundation.

The house as per accompanying drawings, will accommodate a hundred grown fowls and will permit this size of flock to be cared for with the minimum of labor. The dimensions of the house as per the accompanying drawings, is twenty feet wide and twenty feet deep. This type of house, however, has been built in various sizes from 10x10 to the size shown in the accompanying drawings.

The house illustrated herewith is principally of rough building material, showing two muslin curtains filling the space between the two windows of the front, with the door in the side next to the front. The arrangement may be varied much more, but in any case there should always be care used to secure a sufficient amount of effective



Scene on Golden Rod Egg Farm, Hardinsburg, Ky.
See advt. in this issue.

glass and curtain surface in the south or southeast front. These curtains are made of light muslin or cheese cloth tacked on to frames, which are hinged at the top in such a manner as to permit them to be swung up and hooked against the roof.

Two other windows should be provided in the rear of the house under the droppings board. These windows have proven to be of value, and should be put in. By so doing the trouble of litter accumulating under the droppings board will be overcome, at the same time giving better ventilation during the months of extreme heat, by removing the glass and covering opening with one inch wire mesh.

The walls and roofing lumber for the accompanying plans are of rough lumber. The cracks stripped over with half inch by three inch battens. The house can then be whitewashed inside and out.

List of Material Required.

FLOOR:

13 2x4 in., 20 ft. rough.

415 sq. ft. No. 2 flooring.

SIDES, FRONT, BACK:

700 sq. ft. 1 in. rough boards, 16 ft. long.

700 lin. ft. 1/2x3 in. battens rough.

6 2x4 in., 16 ft. rough.

4 2x4 in. 20 ft. rough.

190 lin. ft. 1x4 in., 10 ft. lengths for window frames.

3 pairs 6 light 8x10 in. sash.

ROOF AND DROPPINGS BOARD:

20 1x4 in., 12 ft. rough.

3 4x4 in., 10 ft. rough.

550 sq. ft. 1 in. rough boards.

95 lin. ft., 1x6 in. rough.

6 squares roofing paper.

10 2x2 in., 10 rough.

4 2x4 in., 10 ft. rough.

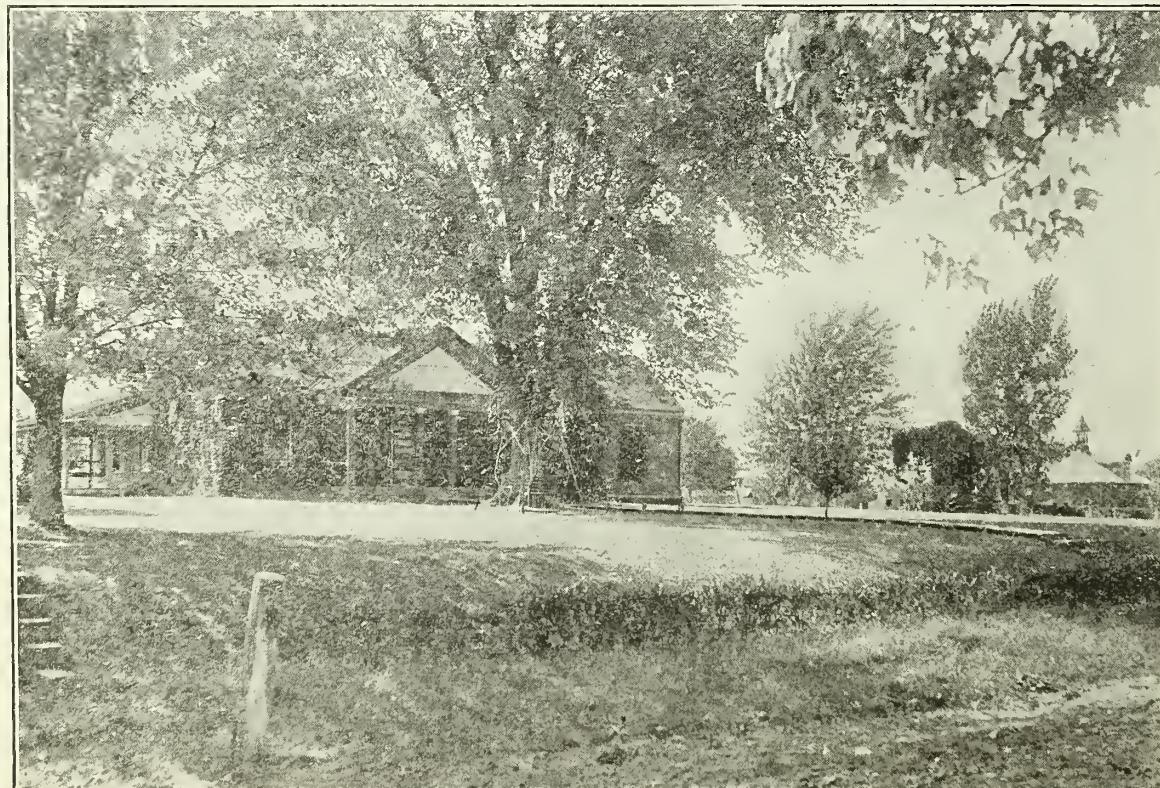
320 sq. ft. No. 2 flooring, 6 in. wide.

NESTS:

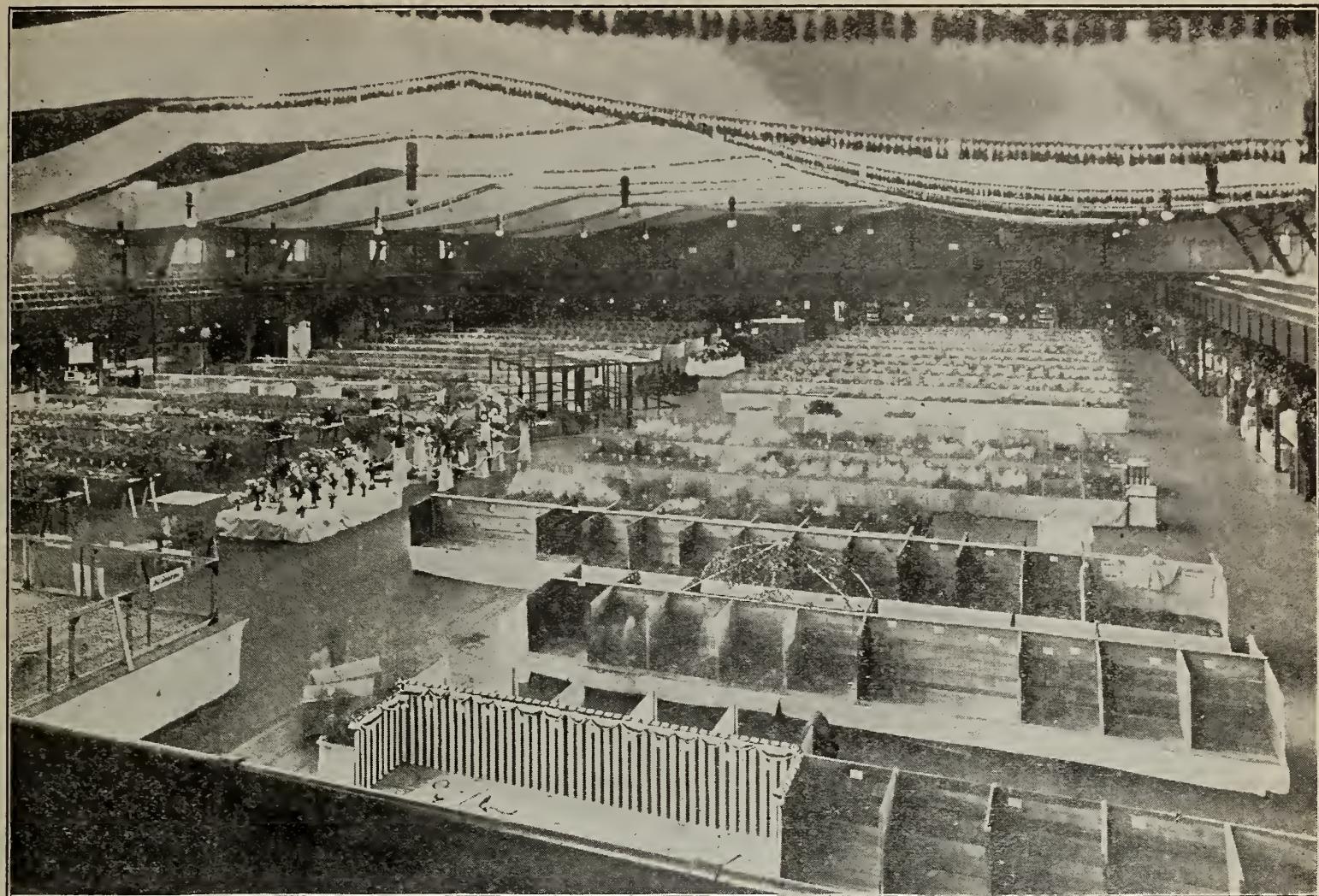
5 pieces 1x12 in., 12 ft. rough.

2 pieces 1x4 in., 12 ft. rough.

1 piece 2x4 in., 12 rough.



Residence of P. M. Beard, Prop. Golden Rod Egg Farm, Hardinsburg, Ky. Breeder of Golden Rod Strain of S. C. White Leghorns.



The Poultry Show, November 22-27 in Louisville's Great Armory Containing Fifty-four Thousand Square Feet.

THE ARMORY SHOW AT LOUISVILLE.

One of the Largest and Best Shows Ever Cooped in the South, with Entries from All Parts of the Country—If You did not Show Here, Don't Fail to Make This Show Next Year.

By COLLINS YOUNG.

THE poultry, pigeon, pet stock and kennel show held at Louisville's big Armory during Thanksgiving week will go down in history as the biggest surprise ever sprung on the fanciers of the South. Staged by the three organizations, the Ohio Falls Fanciers Association, the Louisville Pigeon Club and the Louisville Kennel Club, with their respective supporters, the combined exhibition, as acknowledged by all who saw it, surpasses in attractiveness and size, any big show ever attempted in this or any Southern city. As evidence of this wonderfully surprising success, it must be stated here that the catalogues were sent to the people only two weeks before the opening day. There were 1600 entries in the poultry department, 750 pigeons and 337 dogs in the kennel department, besides a total of 100 other entries in the pet stock division, such as cats, parrots, owls, guinea pigs, white rats and goats. There were also other entries of rare ornamental birds, pheasants, peafowl, wild geese, wood duck and the State's exhibit of deer.

All these different branches were subdivided, occupying their respective sections, uniformly cooped and aisled, with an eighteen foot aisle in the center of the building from entrance to the rear. The overhead and balcony decorations, together with the floral decorations, contributed by five Louisville florists, valued at \$3,000.00, through the center of the show, represented the last step in beauty and grandeur for a poultry show.

The large exhibits of feeds and manufacturers of various lines, took every foot of floor space on the sides. If any of our readers should doubt our report of this grand exhibition, just take a look at the flashlight picture of same, appearing above. Breeders from the Northern States were unreserved in their compliments of the Armory show and the promoters.

Judge Loring Brown, of Atlanta, one of the official

judges, was heard to say as he left, "I have truly seen the prettiest, cleanest and best managed show that I have ever visited during the thirty years I have been in this business." The traveling representative of Poultry Success, Springfield, Ohio, told the boys at the banquet, "Your show is in a class to itself. I have made hundreds and only one was anything near your show, and that was an Eastern show."

The attendance was good each day and night until Wednesday, and from that time on the thousands thronged into the building until late at night. Friday, eighteen thousand school children from the city and county visited the great exhibition, and it was interesting to observe their pleasure and interest in the affair. Every day was a special day. Interesting lectures and demonstrations were carried out by experts on scientific poultry raising, including the continuous exhibit and expert advice offered by government agents and State representatives of the poultry experiment station from the Kentucky State College at Lexington.

The week's program closed with a rousing banquet at the Watterson hotel, given by the officers of the three associations, followed by speeches from the guests from a distance and members of the association.

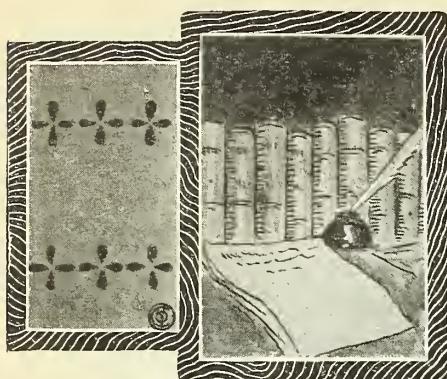
Show dates for the 1916 exhibition will be the same and plans already started to insure a five thousand bird show next year.

Awards at the Great Armory Show.

BARRED PLYMOUTH ROCKS—Pope & Pope: Exhibition cocks, first and second; pullet bred cocks, second; exhibition cockerels, second, third and fourth; pullet bred cockerels, second; exhibition hen, fifth; cockerel bred hen, first, second and third; exhibition pullets, second and third; pullet bred pullet, first, second, third, fourth and fifth; pens, pullet bred, first; cockerel bred, first; exhibition pen, first. Alvin C. Brown: First pullet bred cock: first pullet bred cockerel; second exhibition hen; first and fourth exhibition pullet. Walter D. Bean: Third pullet bred cock; third pullet bred cockerel; third and fourth exhibition hen; fifth exhibition pullet; second pullet bred pen. C. F. Obermeier: First exhibition cockerel. — Matters: fifth exhibition cockerel. Robert L. Lips: Fourth cockerel bred hen. Hugh C. Whiting: First exhibition hen; second cockerel bred pen.

WHITE PLYMOUTH ROCKS—L. P. Doerhoefer: Third cock; fifth cockerel; second hen; first, fourth and fifth pullet; second young pen; first old pen. W. B. Jenkins: First and second cock; second old pen. F. L. Deer: Fourth cock; second and fourth cockerel; first and fifth hen; second and third pullet; first young pen; third old pen. A. G. Spahr: Fifth cock; first and fifth cockerel; third and fourth hen; fourth old pen.

(Continued on page 118.)



EDITORIAL + + + CORRESPONDENCE

A Word to the Beginner.

WHY are there so many failures in the poultry business. This is a question that has been brought up thousands of times and in answering this there is but one answer, and nine out of ten times it is due to lack of experience. To make a success of any business you must have real practical experience and the best way to get it is to start on a small scale and increase your plant as you get your experience and the fellow who does this will make a success.

We received a letter several days ago from a reader of the *Industrious Hen* who was thinking of starting in the business and he wanted to ask our advice as to how he should start, either with a pen of birds this fall or with baby chicks or eggs next spring. This man had the right idea and if he carries out his plans he will be successful. This is the way every beginner should start. Do not get it into your head that you can take one thousand hens and make \$200 net profit on each hen the first year. Here is where you will fall down and is why so many fail in the poultry business. Start in a small way at first.

During the coming season there will be thousands of people starting into the poultry business in the South who have never kept chickens before and we would like for every one of them to read this and act on our advice. The beginner should invest in a pen of the best birds he can possibly buy (that is, as good as his pocketbook will permit) and get the breed or variety you like best for this will be the one you will be successful with. Do not build expensive houses as I would rather have better birds and cheaper houses. Start with a pen of first-class birds rather than have two dozen ones of poorer quality. Secure them from a breeder that you know can furnish you with good birds. If you expect to breed for fancy purposes and build up a trade in fancy show stock or a trade for table eggs, only get birds that you know will meet your demands and that you will not be disappointed in. There is good money in poultry if the business is run on business principals and your success depends on the way your business is run.

Do not expect to get rich the first year as you know it will take some time for you to get your trade established. This is not only true in the poultry business but with any other business. Start in a small way and gradually increase the size of your plant as you get experienced and as your business grows. Many large plants in this country today that are selling from \$20,000 to \$30,000 worth of stock and eggs each year, started this way and this is the reason they have made success and have built up a paying and profitable business.

A. P. A.—Cleveland—1916.

From all appearances at this time Cleveland has such a strong lead in its efforts to secure the 1916 meeting of the American Poultry Association that it is not likely that any other city will make any particular effort to secure the meeting. Cleveland has everything in its favor—location, accessibility, live poultrymen and all the attractions that could be desired, and the backing of all the poultrymen of the great State of Ohio. Any other cities desiring the meeting should set their dates for 1917 or later. It is Cleveland in 1916, sure!

As Cleveland is going after the 1916 meeting of the American Poultry Association and it seems as though now she will be able to handle it, why not hold the 1917 meeting in Louisville or some other Southern city. It seems to us that Louisville would make an ideal place to

SPECIAL ANNOUNCEMENT.

Early in November, negotiations were closed whereby the *Industrious Hen* takes over *Southern Poultry Journal*, of Dallas, Texas, formerly owned and published by S. J. Hopper, editor, and we are more than pleased to announce to the poultrymen in Texas and the Southwest, that under this combine we are fortunate in securing the services of Mr. Hopper on the staff of the *Industrious Hen* for the coming year.

Mr. Hopper's many years service in the poultry industry and his broad knowledge of breeder's needs and requirements in his home country, makes him especially fitted to fill his place on our staff as special correspondent and general representative of our Southwestern Department, which appears elsewhere in this issue, containing brief notes only this month. Beginning with January of the new year, we can promise our readers some interesting things in Mr. Hopper's department.

In this last combine (which is the fourth in less than three years), we think is further evidence of our constant desire to grow to bigger and better things in order that our poultry friends who have been so loyal to the *Industrious Hen* may receive the benefit of the improvements we are making from time to time. We are not satisfied with "good enough," but are determined to advance with the times, thus advancing our readers' and advertisers' interests along with our own.

hold the 1917 meeting as it is centrally located and would draw more members from all sections of the country than any other city you could find. The Nashville meeting was one of the most successful meetings ever held and for this reason we think the South should have another meeting. Every member in the South should start now and boost for the 1917 meeting being held in the South and why not Louisville, which is one of the greatest convention cities in the country.

Rhode Island White Club Meeting and Show.

The Rhode Island White exhibit at the Louisville Poultry Show, November 22-27, was one of the largest and most attractive in the entire show. Illinois, Indiana, Ohio and Pennsylvania were well represented, besides a number of Kentucky birds. Classes well

filled, competition strong and prizes well distributed.

Full list of awards published elsewhere in this issue.

Club meeting was a very enthusiastic one and members present were all very much encouraged and more determined than ever to push the Rhode Island Whites to the front. The following officers were elected by the Rhode Island White Club for the year 1916. Edmund E. Field, Hasbrouck Heights, N. J., president; W. H. Everitt, Southport, Ind., 1st vice president; H. L. Lest, Albion, Penn., 2nd vice president; Fred Foster, Seville, Ohio, 3rd vice president; E. E. Heidt, Topeka, Kans., 4th vice president; George Simmonds, Manette, Wash., 5th vice president; Mrs. C. M. Vertrees, Cecilia, Ky., Sec'y-Treas; Frank B. White, Saugatuck, Mich., Election Com.; Harvey A. Drew, Vernon, N. J., member Executive Board.

Notice to Southern Poultry Journal Subscribers.

Beginning with this issue, all subscribers to the *Southern Poultry Journal*, of Dallas, Texas will receive the *Industrious Hen*. If the Hen is a few days late this month, the delay is caused in getting the Texas paper's mailing list added to our present list of subscribers. Should you fail to receive this month's copy, drop us a card and it will receive our prompt attention.

Meeting of Kentucky Branch of A. P. A.

At the meeting of the Kentucky Branch of the A. P. A., held at Louisville, November 26, it was voted by the members present that the Kentucky State Branch of the American Poultry Association be known in the future as the Kentucky Poultry Breeders Association. Not only A. P. A. members may join this association but non-members as well. Every poultry breeder in Kentucky should be a member and a booster for this new association and it should have a membership of 500 at least in the next twelve months. We will have more to say about it in the next issue of the Hen.

All of the members present were very much enthused over the outlook for the new association, and for the poultry industry. The coming year promises to be a great one for poultry breeders in this section. The Armory show was the best and largest show ever held in this part of the country. What we want in this State as well as other Southern States is more poultry shows and live breeders and to educate and make poultry breeders and there is nothing as good as poultry shows, clubs and associations. Let us all boost and work for the good of the industry during the coming year, and next season we will find our efforts have been well spent.

SOUTHWESTERN NOTES AND COMMENTS

BY S. J. HOPPER, Dallas, Texas
Former Editor Southern Poultry Journal.

HOPPER GOES WITH INDUSTRIOUS HEN.

Financial difficulties have made it impossible to continue the publication of the Southern Poultry Journal, of Dallas. An attempt at expressing my regrets over such condition is utterly useless. In the first place, it is understood, and then words have not been coined that can convey ones feelings under such circumstances.

I am, however, fortunate enough to be able to announce to subscribers that they will receive the Industrious Hen in lieu of Southern Poultry Journal.

My appreciation of the support and friendship from poultry people is complete. I shall continue my interest in poultry work for the present with the Hen, and shall ever feel that the most I can do will be little enough.

Respectfully,

S. J. HOPPER.
Dallas, Texas, Nov. 24, 1915.

THOSE interested in the success of thoroughbred poultry culture in the Southwest have never had more to encourage them to expect a wonderful trade than the present indications afford.

Regardless of all that can be said to the contrary, it must be accepted as a fact that poultry exhibitions can be relied upon as a safe index. Poultry exhibitions in this section, whether of regular shows or departments at fairs, have, without exception been decidedly more than was expected. The real star performance for fall exhibitions in the Southwest has always been the poultry department of the State Fair at Dallas. This year's exhibition from every conceivable standpoint was a splendid success. Mr. Walter Burtson, as superintendent, could not have asked for more. The quality of the show was par excellent; the number of exhibitors and of entries were by far larger than at any time during the last ten years. This is without any intent to disparage the efforts of Messrs. Beeman and Van Winkle, previous superintendents; merely to show present conditions.

Following closely behind the Dallas Fair Poultry Show, came the Shreveport, La., Fair, the Waco and Houston, Texas Carnivals. In each of these places unusually satisfactory results have been obtained, showing that conditions prevailing at the Dallas Fair but represent a general revival in thoroughbred poultry throughout this entire section.

Coming down to the regular poultry shows it is highly probable that Alexandria, La., and Lake Charles will furnish the big opening events. We hope to give our readers a full account of these events in the January issue.

Four hundred and forty thousand Thanksgiving dinners left Texas for the East.

Local commission men and members of the Texas Poultry, Egg and Butter Association say tonight that by the first of next week 120 carloads of turkeys will have been shipped from Texas to the Chicago, Philadelphia, New York and Boston markets. Each carload will

average 2,000 birds and each bird will average ten pounds. And this latter fact makes Texas turkey raisers and commission men glad. Ten pounds as an average, isn't a small turkey by any means, and Chicago produce men, as evidenced by a Chicago story in today's Times Herald, are complaining that the most of the birds they are receiving are small and tough. Not so with the Texas product.

Texas farmers and commission men have a lot to be thankful for this year. While the Texas turkey crop is about twenty per cent larger than last year, the crops of Missouri, Kentucky and Tennessee—other turkey centers—are said to be from fifty to sixty per cent smaller because of the heavy rains during the hatching season. Besides, Texas farmers are receiving as high as 20 cents a pound for their birds, a considerable increase over last year. Eastern wholesalers are men more thankful. In Chicago they are getting from 22 to 23 cents a pound for the birds, and in New York from 22 to 24 cents, which is from two to three cents more than the 1914 prices. In addition to the big shipments, Texas will consume about twenty carloads of turkeys itself.

Turkey raising is not the only phase of the market and of poultry that pays in the South. It is not unusual for towns of 2,000 population to ship market poultry by carloads.

The market or utility end of poultry culture in this section is mentioned because it is the real foundation of the rough-bred poultry culture. Just as surely as does a Jersey cow give more milk or butter than a Long Horn, a Hereford Poll or Durham give more pounds of beef, or the rough-bred horse either go faster or pull a larger load than a mongrel—just that sure does thoroughbred poultry furnish more meat and eggs on less feed than do mongrel chickens. The fact that market poultry has really become a business in this section, means more than any other one indication that the people of this section are in the market for thoroughbred poultry. The breeder who overlooks the South in his advertising campaign will lose money.

FERRIS WHITE LEGHORNS FOR EGGS

Trapnested 15 years. Sixty first prizes, 15 big shows. Large, vigorous, laying, breeding exhibition stock, \$1.50 up. Shipped C. O. D. and on approval. Satisfaction or money back. Thirty-six page free catalog gives prices and particulars. Write for it and save money.

FERRIS LEGHORN FARM

Grand Rapids, 922 Union Michigan



DENSMORE SINGLE COMB WHITE LEGHORNS

FIRST PRIZE PEN AT ALLENTOWN, PA., UTILITY CLASS, Have fifteen years of improvement back of them. Remember STRAIN is more important than variety. Careful records show average of over 150 eggs per hen in flocks of 1,500. We have more pullets than we have room for and can give you some good bargains in pullets or yearling hens.

DENSMORE POULTRY FARM,

Roanoke, Va.



A Victory at Hagerstown

After a record winning at the New York State Fair, Martin's REGAL WHITE WYANDOTTES follow it up with another sweeping victory at Hagerstown, Maryland. This is the great round-up show where victors at the earlier shows meet in the final contest for Championship honors. Forty REGALS were entered and thirty-six were under ribbons as follows:

Cocks	1-2-3-4	Cockerels	1-2-4-5
Hens	1-3-4-5	Pullets	1-2-3-5
Pens (old)	1-2	Pens (young)	1-3

In addition to these regular prizes, the cockerel heading the First Young Pen was awarded the Championship Trophy for being the BEST BIRD IN THE SHOW. This was decided by fifteen Judges. Could there be any stronger vindication of REGAL Supremacy?

3,000—COCKS, HENS, COCKERELS AND PULLETS FOR SALE—3,000.

Prices very reasonable and quality better than ever before.
FREE—Twenty-page catalogue and price list giving photographs of plant and winners. Send one dime for copy of the REGAL WHITE WYANDOTTE BOOK, telling all about the REGAL STRAIN.

JOHN S. MARTIN,
PORT DOVER. BOX 911

CANADA



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

DO YOUR HENS LAY?

If Not, Use Sour Milk, Beef Scrap or Green Cut Bone and Gather More Eggs.

Corn, 4 parts; wheat, 2 parts; bran middlings, 1 part; corn meal, 1 part; sour milk separately.

Give 100 hens, $2\frac{1}{2}$ gallons of milk and from 19 to 25 pounds of other food a day.

"Milk or meat in the ration may make all the difference between profit and loss," declares H. L. Kempster, professor of husbandry of the Missouri College of Agriculture. "We know from our tests at the Experiment Station and from the experience of poultrymen everywhere. We got only 945 eggs from a pen of hens that ate no animal food, while another pen of hens, no better in any way, but fed sour milk, laid 1,783.

Those fed beef scrap laid 1,802 eggs. While this is a higher record than either of the others, the sour milk is so much cheaper and easier to get on most farms, that we recommend it most highly. At 20 cents a dozen, the eggs from the hens fed sour milk brought \$29.71, and those from the hens fed beef scrap, \$30.03. The difference wouldn't begin to pay for the extra cost and trouble of beef scrap. The big thing to remember is that the hens fed no animal food brought little more than half as much egg money. Theory and experience both say, 'Feed the laying hen sour milk as part of her ration,'"—Press Bulletin of University of Missouri.

Does your subscription expire this month? You had better send in your renewal at once and get The Industrious Hen during the coming year.

Clean Food Necessary for Clean Eggs.

JUST because an egg is freshly laid by an apparently healthy hen it cannot be assumed that it is a good egg. Layers must be given clean, wholesome food for the production of first-class eggs. Hens that are forced to obtain the greater proportion of their living as scavengers and have a poor range to work on cannot produce eggs of as good quality as can a flock which regularly is given a good ration.

Eggs lacking in protein have a watery white, and the shells are apt to be thin owing to the partial absence of lime. Such eggs, besides being of less value as food are more than likely to bring forth puny chickens of low vitality. With proper quantities of wheat, bran, clover, oyster shell and sound grains in the ration given to laying hens, eggs with firm shells, rich in protein and delicately flavoured are sure to result, providing, of course, that the flock is given clean nests and runs and is kept free from red mite and the like.—Poultry Record.

Rain Storms and Poultry.

Diseases that affect fowls in winter are more prevalent during the continuance of rainy weather than during a cold period. Clear, cold weather, when the air is dry, seldom affects poultry unfavorably, and at such times there is nothing to prevent turning the hens outside, giving them litter to scratch in and allowing them to keep warm by healthy exercise; but poultry of all kinds suffer from some one or more of the various ailments due to exposure to damp weather. Roup is a disease that seldom puts in an appearance in dry weather. The dampness is also fatal to chicks during the winter. The best remedy is shelter, a warm, tight house, and the fowls confined during damp days, or until the weather becomes clear.—Poultry Record.

T. E. Quisenberry Promoted.

While on our Western trip we were pleased to learn that Mr. T. E. Quisen-

berry, who has been at San Francisco as superintendent of the poultry department, had been promoted to the position of Assistant Chief of the Live Stock Division. A notice from Mr. D. O. Lively, chief of this division, says: "His mastery of detail and the effective manner in which he discharged his added duties won for him the approval of the Chief of the Department and this recognition comes as a reward for ability and faithfulness." We are not surprised because "Tom" always makes good. Congratulations both Mr. Lively and Mr. Quisenberry.—Successful Poultry Journal.

We want live agents in every neighborhood. Write us for particulars. We will give you pure-bred birds absolutely free.

"Mapleside" Bred:-to:-Lay

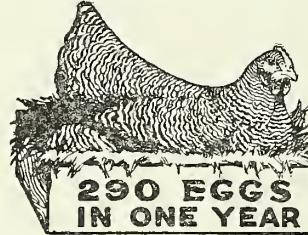
Barred Plymouth Rocks Acknowledge no Superiors as Layers

Liberty Bell, record 271, and Miss Rock-et, record 290, were both bred and raised by me from my own matings. About 2000 to select from at living prices. Circular of facts free.

O. F. MITTENDORFF,

Box M

ILLINOIS



You can make your hens lay all winter. Thousands of poultrymen are doing so, and making big profits from high priced eggs. Your hens will produce lots of eggs if you give them

Pratts Poultry Regulator IT MAKES HENS LAY

Cost only a cent a hen a month. The world's one great winter egg producer. Keeps the flocks healthy, active and laying. Prevents disease. Test it at our risk. It costs you nothing if you are not satisfied.

25 lb. pail only \$2.50, Large \$1.00, 50c and 25c packages.

Pratts Roup Remedy and Pratts Poultry Disinfectant prevent roup, colds and other diseases. Pratts Roup Remedy, tablets or powder, \$1.00, 50c and 25c. Pratts Poultry Disinfectant, \$1.00 per gallon, 35c per quart. Refuse substitutes. Insist on Pratts.

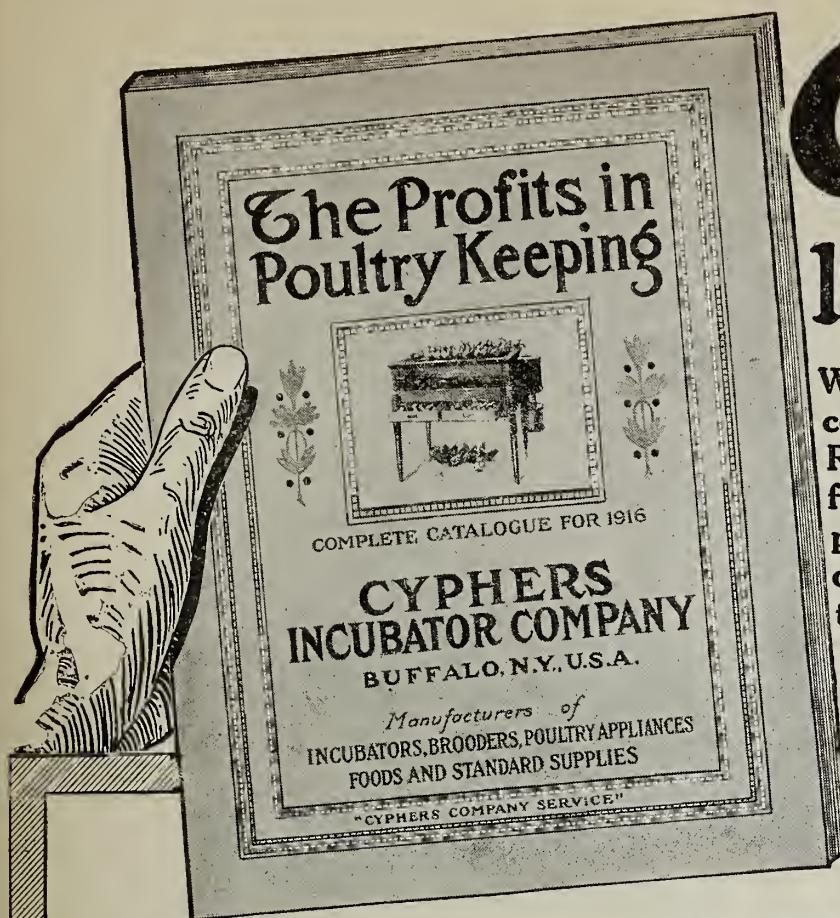
PRATT FOOD COMPANY

Philadelphia

Chicago Toronto

411





To Poultry Keepers Everywhere:—

NOW is your best chance to build up an independent, money-making poultry business. Opportunities like the present may not come to you again. Money is plentiful—factories are busy—prices of poultry and eggs are advancing—the demand is growing—grain prices are low. Profitable prices and an unlimited market await you.

Start Now—but Start Right

Don't handicap yourself by using inferior, trouble-making equipment—especially avoid incubators with nothing to recommend them but low prices—incubators that cannot produce the big hatches you have a right to expect, and that will be a continued source of anxiety and loss to you.

Don't take chances. Cyphers-built Incubators are standard hatchers the world over. Are guaranteed to hatch better, last longer, require less attention and produce larger and stronger chicks than other machines.

Cyphers Balanced-Ration Poultry Foods



KEEP up your egg yield in winter, and increase your profits by feeding Cyphers Laying Mash and Scratching Food. Thousands of poultry keepers depend entirely on Cyphers pure-grain, balanced-ration foods—*would not try to keep fowls without them.* Write for current prices and for our valuable book—“Poultry Foods and Feeding”—*A complete course in poultry raising.* Write TODAY for this FREE Year Book

Cyphers Incubator Company

Dept. 13 Factory and Home Office, Buffalo, N. Y.

Branch Stores
and
Warehouses

{ New York, N.Y., 41 Barclay St. Kansas City, Mo., 19th and Campbell Sts.
Boston, Mass., 12-14 Canal St. Dallas, Tex., 316-318 N. Preston St.
Chicago, Ill., 1421 W. 37th St. Oakland, Cal., 2127 Broadway.

Cyphers Co's 1916 Year-Book FREE

Write us at once and get YOUR copy of this big, complete, illustrated Guide for Poultry Raisers. Read the splendid opportunities there are NOW for making big profits with poultry. Learn the importance of using the best equipment. Get our offer on Cyphers-built, Popular-priced Incubators, Brooders and dependable Poultry Supplies.



**Superior
Hot-Water
Incubators**

Made in Two Sizes

Has all the time-tried features of Cyphers standard of design and construction. Self-regulating, self-ventilating, non-moisture. If you want a hot-water machine the Superior will please you.

Prices: 65 Eggs, \$12.00; 130 Eggs, \$16.00

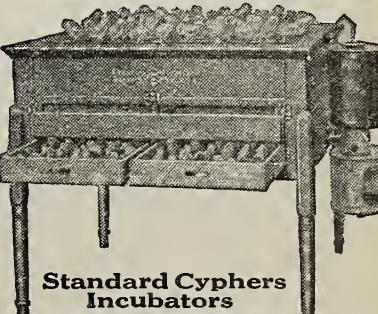


**Columbia
Hot-Air
Incubators**

Made in Two Sizes

Thoroughly reliable incubators at a low price. Same regulating system as our *highest-priced* machines. Beautiful and substantial wooden case—brass trimmings, triple walls, roomy nursery. The best hatcher on the market at the price.

Prices: 140 Eggs, \$16.00; 250 Eggs, \$22.00



**Standard Cyphers
Incubators**

Made in Four Sizes

No other machine equals the supreme construction of the famous Standard Cyphers Incubators. The biggest poultry successes of the past 20 years have been made with these machines—*would not have been made without them.*

Prices: 70 Eggs, \$15.00; 144 Eggs, \$23.00;
244 Eggs, \$34.00; 390 Eggs, \$40.00

All prices herewith apply east of Rocky Mountains, north of Texas and south of the Canadian line. In these high freight territories prices are slightly higher.



SOUTHEASTERN NOTES and COMMENTS

By D. R. McBRAYER, Mooresboro, N. C.

CHRISTMAS greeting and a merry Christmas to each and every reader of The Industrious Hen.

This December month will be a severe test of the poultryman's profession. It requires genuine love for the work for one to rise from his warm bed these cold mornings and long before the sun has risen have all the chickens fed and watered. Yet this is what we must do if we would get the best results from our chickens. If you can pull through December it will be much easier then for by January 1 they will be laying much better and you will take more interest in caring for them.

Chickens drink a large amount of water. Therefore it is very important that we keep a supply where they can get to it at will. An egg is largely about 75 per cent water, so you can readily see the importance of giving our layers all they will drink. On very cold mornings the chill should be taken off, for if they drink a large amount of ice water it will chill their whole bodies and give them a set-back in laying.

Provide a good scratching shed and keep your hens confined therein on all very cold, snowy or sleety days. Running about in cold mud and snow is not conducive to heavy egg production. Feed all grain in the deep litter, in the scratching shed and your hens will soon be more contented, healthier and will lay many times more eggs than when they were allowed their freedom in all kinds of weather.

Send the butcher every inferior bird on the place. Don't waste feed on them any longer. They will never amount to anything as layers or breeders, moreover these undersized, backward, off-colored specimens are liable at any time to contract some disease and spread it through the entire flock. Even though you get very little money for them it will pay you well in the long run to get rid of them.

As the cold gets more severe add a little more corn to the ration. Corn is a mighty good heat producing ration and they need it on cold nights. See that every hen goes to the roost with a full crop, as she will have ample time to digest it on these long, cold nights.

Green feed, we have always contended is one of the greatest aids to egg production as well as health of the fowls. If you failed to sow down your yards and runs to some kind of grain back in September or October, then you made a very grave mistake. Now you must resort to sprouted oats. Turnips, fed raw are also relished as is cabbage and potatoes. Potatoes, cooked may form a small part of the wet mash. If there is any possible chance, give every hen a little green feed every day.

T. C. Hitchcock, of Shelby, N. C., who came down from New York a little more than a year ago and seeing the

great possibilities the South offered in poultry raising, had wonderful success the past season and in now planning for a greater business next season. He has added a Cande Mammoth incubator, also a Coal-burning Colony stove to his equipment.

The Industrious Hen would make a real nice Christmas gift for some of your poultry raising friends. Why not send it to a few of them?

If you are in need of new blood or breeding birds of any kind, now is the time to buy them. You can now get a good selection, whereas, if you wait two or three months you will have to take what you can get, for then most breeders will have sold all the good birds they can spare. Buy now it's your best chance.

If you need more incubator capacity, if you need more and better brooding equipment, then get busy right now and by January 1 have everything ready for business. The coal-burning Colony brooder stoves seem to be the safest way of raising chicks. Try one and see the difference.

Start your advertisement for hatching eggs next month sure. Buyers are already looking the ads. over and will soon be placing their orders. You cannot wait until March to begin advertising and expect people to buy from you, they will not do it. They will buy from the man whose ad. they see in every issue of the paper, because he is the man who can be depended upon to send them what they want and when they want it.



LOOK!

See that disc way up above tank, temperature 106 and going up!! Eggs drying, germs roasted!! Happens daytime, midnight or any time at all, but could not happen with Universal Heat Check "H" attached. (see cut). Simple, effective and durable. \$1.00 each.

Makes watching the thermostat unnecessary. No fretting nor stewing, besides valuable time saved for other work. Prevents cold eggs. Prevents overheating. Works automatically both ways. On the job every minute, from first day of incubation till last chick is out. Lessens fire risk by controlling high heat which also helps to retain moisture. We send it upon your order. Attach it yourself.

Guaranteed to be just as represented. Parcel Post, or ask for further description. Universal Heat Check Agency 91 Buffalo, N. Y.

WHITE ROCKS OF QUALITY

My birds have won at the largest shows. Beautiful, hardy, free range cockerels and pullets, yearly cocks and hens. If interested in White Plymouth Rocks, write the

PATTERSON FARM,

FITZGERALD,

GEORGIA

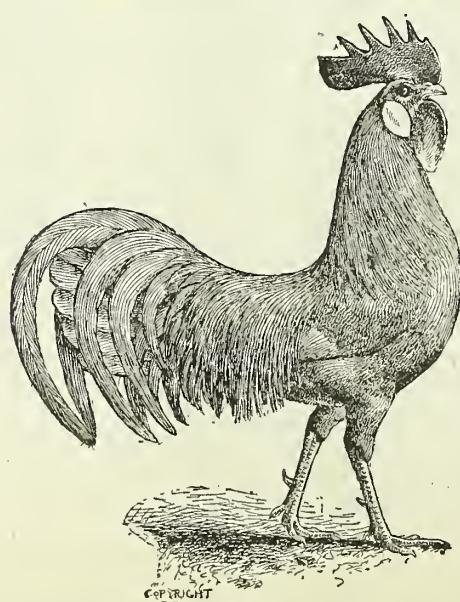
Volunteer State Champions Dixie's Quality Strain White Wyandottes

Following their sensational winnings at Indianapolis and Memphis, WIN first old pen; first, third, fourth hen; first cockerel; third pullet at Chattanooga. EVERY ENTRY PLACED except on pullet. My birds have proven themselves CHAMPIONS. They are WINTER LAYERS, too. Furnishing guaranteed winners for any show a specialty. Pens mated December 1. Eggs \$2.00 to \$10.00 per fifteen. Fertility guaranteed. If its 1916 STANDARD TYPE DOTTIES you want, I have them.

CARRINGTON JONES,

Buntyn, Tennessee

Box No. 145.



S. C. Buff and White Leghorns White and Buff Rocks, Blue Andalusians and Lakenfelders

We are offering special bargains in both old and young stock, as we need the room. Look up our show record and winnings at KENTUCKY STATE FAIR, GEORGIA-FLORIDA FAIR and other shows. We have quality at right prices. Write us your wants in show, breeding or utility birds.

LOMBARDY HEIGHTS POULTRY FARM
JNO. O. REID, Prop., Box 258 STANFORD, KY.

LOYD'S PRIZE WINNING PARTRIDGE PLYMOUTH ROCKS

Big winners at the BIG SHOWS for years. Stock bred and raised on our 51-acre farm. We can fit you out with just what you want, and at reasonable prices. Stock shipped on approval. Eggs and Baby Chicks in season.

C. J. LOYD & SONS

Farm, R. R. No. 4

Greensburg, Ind.

DEER'S QUALITY WHITE PLYMOUTH ROCKS

1-5; pullet, 2-3; pens, old, 3d; young, 1st. Best display in White Rocks. Write us for prices on both old and young birds. We have quality that will please you. Eggs for sale. Choice matings. Address:

F. L. DEER,

R. R. No. 1, Box 37a,

Franklin, Indiana

GREAT ARMORY SHOW AT LOUISVILLE.

(Continued from page 107.)

BUFF PLYMOUTH ROCKS—Mrs. M. T. English: First and second cock; first and second cockerel; first and second hen; first and second pullet, and first young pen. Jno. O. Reid: Third cockerel; third pullet.

SILVER PENCILED PLYMOUTH ROCKS—Jno. O. Reid: First hen.

PARTRIDGE PLYMOUTH ROCKS—Jno. O. Reid: First cock and first hen.

SILVER WYANDOTTES—Ed. C. Paul: First cockerel; first and second pullet. A. M. Kinkead: Third pullet. Mrs. G. W. Briscoe: First pen.

GOLDEN WYANDOTTES—W. M. Spaulding: First and second cock; first cockerel; first and second hen; first pullet.

WHITE WYANDOTTES—Joe Akerman: Second and fourth cock; first and second hen; second old pen. O. M. Allen: Third cock. Louis Deutsch: First and fifth cock; third cockerel; third and fourth hen; first, second and third pullet; first old pen. Laura Vandiver: Second cockerel; fifth hen; fourth pullet. Robert Kaltenbacher: First cockerel; fifth pullet.

BUFF WYANDOTTES—Banner Buff Yards: First cockerel; first pullet, and first young pen.

PARTRIDGE WYANDOTTES—Harry McAfee: First and second cock; first, second, third and fourth cockerel; first, second, third, fourth and fifth hen; first, second, third, fourth and fifth pullet; first old and first young pen.

COLUMBIAN WYANDOTTES—B. N. Stevenson: First and second cock; third and fourth cockerel; first and second hen; first and second pullet; second and third young pen. Miss M. Doll: First and second cockerel; first young pen.

SINGLE COMB RHODE ISLAND REDS—R. L. Bratton: First, second, third and fourth cock; second and fourth cockerel; first, second and fifth hen; second pullet; first young pen; second old pen. B. D. Parker: First and third cockerel; third and fourth hen; third young pen. S. M. Harbison: Fifth cockerel. Phil. A. Seifert: Fifth pullet. J. H. Stevens: Fourth pullet. George Bach: First and third pullet; fourth young pen. T. H. Heazlet: Second young pen. May Clarkson: First old pen.

ROSE COMB RHODE ISLAND REDS—C. C. Loomis: First and second cock; first and second cockerel; second and third hen; first and third pullet; first young pen; first old pen. H. C. Moeller: Third cock; fifth cockerel. Alpenegg Poultry Yards: Fourth cockerel. Ben R. Turner: third cockerel; fourth pullet, and second young pen. Geo. H. Bach: First pullet.

S. C. RHODE ISLAND WHITES—W. E. Swift: First cockerel; second hen; first pullet. C. L. Noss: Second cockerel; first hen.

R. C. RHODE ISLAND WHITES—Mrs. C. M. Vertrees: First, second and third cock; first, second, third and fourth cockerel; first, fourth and fifth hen; second and fourth pullet; first old pen. J. T. Patrick: Fifth cock; fifth cockerel; first and second hen; first pullet; second old pen. C. L. Noss: Third pullet; fourth cock. F. J. Dolby: Fifth pullet. Mrs. S. G. Tilton: First young pen.

S. C. BUFF ORPINGTONS—O. M. Abbott: Second and fifth cock; first, second and third cockerel; second hen; first old pen and first young pen. M. L. Walker: Fourth and fifth cockerel; third, fourth and fifth hen; fourth and fifth pullet; second young pen. Dr. C. L. Gray: Third and fourth cock. G. H. Foster: First cock; first hen; second pullet. W. P. Way: Third pullet. S. M. Harbison: First pullet; third young pen.

S. C. BLACK ORPINGTONS—Poinsettia Poultry Farm: First cockerel; first hen and first pullet; first young pen; first old pen.

S. C. WHITE ORPINGTONS—C. A. Greenman: First cock; fourth cockerel; second pullet; second pen. R. L. Doris: Second

Farm, R. R. No. 4

Won at the Great Armory Show, Louisville, November 22-27, cock 4th; cockerel, 2-4; hen, 1-2-3-4-5; pullets 1-2-3-4-5; first old and first young pen Partridge Wyandottes. Write us for prices on either old or young stock. Our pens will be mated after December 15th. Only eggs for sale in White Leghorns. If you want quality at reasonable prices, write us.

HARRY McAFFEE,

Lawrenceburg, Ky.

SALES AGENTS WANTED

WE want a representative in every town, village and rural community, to sell Cyphers Company's Popular-Priced Incubators, Brooders, Hovers, Balanced-Ration Poultry Foods, Remedies, and General Poultry Supplies.

A splendid opportunity for men and women to make a good income in their spare time. Some of our agents make from \$200 to \$350 in the Three Spring Months and devote only their spare time to the work. **No Capital Required.** NOW is the time to get started. Write today for full particulars.

CYPHERS INCUBATOR COMPANY, Factory and Home Office, Buffalo, N. Y.

Branches: New York, N. Y. Boston, Mass. Chicago, Ill. Kansas City, Mo. Dallas, Tex. Oakland, Cal.

and third cockerel; first pullet. Mrs. R. L. Willmoth: First hen; first cockerel and first pen.

WHITE CORNISH—Sally C. Beck: First cock; first and second hen.

DARK BRAHMAS—W. H. Besuden: First, second, third and fourth cockerel; first, second, third and fourth hen; first, second, third and fourth pullet; first young pen.

BLACK LANGSHANS—Curtis H. Mu'len: First cock; second cockerel; third hen; first pullet and first young pen. J. C. Schoefell: second cock; first cockerel; first hen; second pullet. Kirby Chambers: Second hen and second young pen.

S. C. BROWN LEGHORNS—H. V. Tormohlen: Fourth and fifth exhibition cock; third exhibition pullet. H. T. Boyd: Third exhibition cock; third exhibition cockerel; fourth exhibition hen; first exhibition pullet. J. A. Weisenborn: Second exhibition cock; second exhibition cockerel; second exhibition hen; second exhibition pullet. Bonnycastle Poultry Yards: First exhibition cock; first and second pullet bred cocks; fourth and fifth exhibition cockerel; first and second pullet bred cockerel; third exhibition hen; second and third cockerel bred hen; fourth exhibition pullet; first and second cockerel bred pullet; first old pen pullet bred and first old pen cockerel bred. Mrs. Joe Mulligan: First exhibition cockerel; fifth exhibition hen; fifth exhibition pullet; first exhibition hen; first exhibition pen.

S. C. WHITE LEGHORNS—Dr. W. Barlow: Second and third cock; third and fifth cockerel; first, third and fifth hen; fourth pullet; third and fifth pen. Glory-Anna Poultry Yards: Fourth and fifth cock; second and fourth hen and fifth pullet and fourth pen. J. T. Milligan: First cock; first, second and fourth cockerel; first, second and third pullet, and first and second pen.

S. C. BUFF LEGHORNS—L. W. Butler: Third cock. W. F. McReynolds: First cock; third cockerel; third hen; fourth pullet; first and second pen. W. L. Williams, Jr.: Fourth cock; fourth cockerel; fourth pen; first and fifth pullet. Jno. O. Reid: Second cock; second cockerel. J. B. Krue: First cockerel; first and second hen and third pullet. E. B. Layers: Fifth hen and second pullet.

R. C. BUFF LEGHORNS—J. P. Curd: First cockerel.

S. C. BLACK LEGHORNS—Harlan Farms: First cockerel; first hen; first pullet.

S. C. BLACK MINORCAS—Bonnycastle Poultry Yards: First cock; second and third cockerel; first and third hen; first, third and fourth pullet. Chas. C. Pfeiffer: First cockerel; second hen; first pullet. C. J. Clark:

Fourth cockerel; fourth hen; fifth pullet. Theodore Schneider: First pen.

BLUE ANDALUSIANS—Jno. O. Reid: First and second cock; first and second cockerel; first and second pullet.

S. C. ANCONAS—Jas. L. Hendry: First cock; second and fourth hen. Geo. McPhee: First and second cockerel; first and second pullet. Emil Christian: Third cockerel; first and third hen; third pullet.

WHITE CRESTED BLACK POLISH—Jno. O. Reid: First cockerel.

SILVER CAMPINES—Jno. Jones, Jr.: First cockerel.

LAKENVELDERS—Jno. O. Reid: First cock; first hen; first pullet.

BUTTERCUPS—Frank E. Bayens: First cock and second hen.

BLACK COCHIN BANTAMS—W. H. Besuden: First cock. C. T. Devore: First and second hen.

PARTRIDGE COCHIN BANTAMS—David B. Stafford: First cock.

BUFF COCHIN BANTAMS—W. H. Besuden: First cockerel; first pen.

WHITE COCHIN BANTAMS—Maywood Kids: First and second cock; first, second, third and fourth cockerel and first pen; third, fourth and fifth hen; second, third and fourth pullet. W. H. Besuden: First hen and first pullet and second pen.

S. C. WHITE LEGHORN BANTAMS—W. A. Williams & Son: First cockerel; first pullet.

RED PYLE GAME BANTAMS—W. H. Besuden: First cock; first and second hen.

SILVER SEABRIGHT BANTAMS—Carl F. Weiss: First cockerel. Wm. F. Blakeley: First cock; first hen.

GOLDEN DUCK WING BANTAMS—W. J. O'Reilly: First cock; first and second hens. **JAPANESE SILKIES**—Albert Nesbit: First and second pullet.

WHITE INDIAN RUNNER DUCKS—C. E. Breckenridge: First old drake; first old duck.

FAUN AND WHITE INDIAN RUNNERS—R. P. Schoot: First young drake. C. E. Breckenridge: First old drake.

PEKIN DUCKS—Mrs. Fred Reiss: First old drake; first and second young drake; first, second, third and fourth old duck; first young duck.

BRONZE TURKEYS—Royal Poultry Farm: First cock; first cockerel; second hen and first pullet. Chas. H. Stowe: Second cock; second cockerel; first hen and second pullet. Mrs. J. W. Fible: Fourth and fifth hen; fourth cock. J. Kelly Lawrence: Third cock; third hen.

NARRAGANSETT TURKEYS—J. Kelly Lawrence: First and second cockerel.



This department is conducted by the Editor, 901-902 Great Southern Building, Louisville, Ky. If your birds are sick, write him. He will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

Colds.
Editor Industrios Hen,
Louisville, Ky.

Dear Sir: I have some young Brahma pullets that have very bad colds and I wish you would tell me just how to treat them and how to prevent this trouble. Am sending 50 cents. Please extend my subscription for one year. Columbia, S. C.

W. B. J.

Give the pullets one grain tablet of quinine twice a day. This trouble is no doubt caused by not having your house properly ventilated or overcrowded. If you remove these causes you will no doubt be able to get rid of the colds in your flocks.

A Beginner.

Editor Industrios Hen,
Louisville, Ky.
Dear Sir: I want to go into the poultry



Quality Queen, champion hen, Mississippi, 1913. Bred and owned by Carrington Jones, Buntyn, Tenn.

business on a small scale and gradually increase my plant as I get experience. Would you advise getting a pen of birds or start with eggs or baby chicks? I like the Wyandottes but I am undecided as to what variety I want to start with. T. W. B.

Jennings, La.

You are starting into the business just right. This is where a great many fail; they lack experience and start too large at first. In starting, I would advise you to get a good pen of birds and as to the variety of Wyandottes you start with, you are the one to choose this. Get the variety you fancy the most. Any of them will give you good results.

Lice.

Editor Industrios Hen,
Louisville, Ky.

Dear Sir: I have a flock of Barred Rocks that are infested with lice. Will you please tell me how I can get rid of them as quickly as possible, as I am afraid they will stop laying. I read the Industrios Hen each month and I cannot get along without it.

Tampa, Fla.

H. W. B.

Get some good reliable louse powder and dust into their feathers every ten days until you know they are free from the pests, then dust them at least once a month. We recom-

mend any of them that are advertised in these columns. "Licecil," which is advertised in this issue, will give you splendid results. Get the lice off of your hens or they will stop your egg yield.

"Growing Like Weeds."

The people who actually use any product are in the best position to testify regarding its merits. The readers of the Industrios Hen can safely buy anything which other poultrymen have found satisfactory. It is a pleasure to publish the following letter received by the Metzger Mfg. Co., Box 42, Quincy, Ill., one of our advertisers.

"Thrall, Texas.

Metzger Mfg. Co.

"I find your 'Licecil' and 'Egge' all you claim for them. My May chickens are growing like weeds. The 'Licecil' cleans out mites, lice and fleas, and 'Egge' puts hens and chicks in healthy condition. Please send me by parcels post \$1.00 worth of 'Egge' at once.

"Yours truly,
MRS. J. T. KILTON."

Magic Egg Testers.

The Magic Egg Tester Works, of Buffalo, N. Y., who have been advertising in these

GLORY ANNA S. C. WHITE LEGHORNS

Let us quote you prices on show breeding or utility birds. We can give you quality at reasonable prices. Winners at Indianapolis, Louisville, Lexington, Hopkinsville, etc. Get our catalogue and prices.

GLORY ANNA POULTRY YARDS
550 South Fourth Street,

George E. Schulz, Prop.
LOUISVILLE, KY.



PARTRIDGE WYANDOTTES

Winners at the Owensboro Poultry Show, 1914. Old and young stock for sale. Booking orders for eggs. Write for prices. Satisfaction guaranteed. Address:

J. V. BARTLEY
PHILPOT, KY.

ROUTE NO. 2

DAVIESS, COUNTY

Incubators
Incubator Stoves
Brooders
Fountains
Poultry Remedies
Dog Remedies
Thermometers
Leg Bands
Feed Hoppers

Feed Supplies and Parcel Post Boxes
FOR POULTRY, PETS AND GARDEN
Complete Stock
Write for Catalogue

HERMAN STRAUS & SONS CO.,
LOUISVILLE, KENTUCKY

Wire Netting
Automatic Feeders
Egg Cartons
Poultry Cartons
Dressed Poultry
Cartons
Baby Chick Cartons
Vegetable Cartons
Garden Seed

Blue Grass Scratch Feed Will Make Your Hens Lay

If your hens are not laying now it is your own fault. Your hens are now through their moult and should be laying. BLUE GRASS SCRATCH FEED is made from selected grains. If you supply her with the right kind of food for an egg maker, you will get the eggs—which means greater profits.

BLUE GRASS SCRATCH FEED

when fed in deep litter so as to make the hens exercise, is bound to produce eggs. Give it a trial. We will be glad to send you samples and prices. Also let us quote you prices on CORN, OATS, WHEAT, MILLFEED or MIXED FEED of any kind from 1,000 pounds to carload lots. Quality and service guaranteed.

HENRY FREUCHTENICHT

Hancock and Franklin Streets

LOUISVILLE, KY.

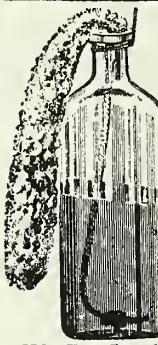
columns for a number of years, start new copy in this issue. Our readers are familiar with the merits of this article as it is one of the oldest egg testers on the market today. Thousands are using it with splendid success. They give you a year's trial and if not satisfactory they will refund your money.

New Advertiser.

The Consumers Mfg. & Supply Co., of Moundsville, W. Va., start an advertisement in this issue of the Industrios Hen. Be sure to look it up and write them at once, as they are making a special offer to all of our subscribers. In writing them be sure to say you saw their advertisement in the Industrios Hen.

NO HANDLING FOWLS

Licecil
Kills Lice



Treat the poultry house with LICECIL and powerful vapors kill lice and mites in house and on chickens—no need to handle each fowl. Will not injure chickens or discolor plumage. Those who use LICECIL buy it again. Read this:

"Am sending check for one dozen bottles of LICECIL. Every customer has come back for the second bottle. I have tried LICECIL myself and know it is the best preparation you can use in the poultry house."

—W. D. Snyder, Mount Airy, Md., June 29, 1915.

LICECIL is sure death to bedbugs, roaches, ants, fleas, moths, etc. Full directions with each bottle. The big, free illustrated circular, "Seeing Is Believing," tells all about LICECIL and gives verdict of satisfied users. Order a bottle today.

Large bottle 50c postpaid, or 3 bottles postpaid \$1.25

METZGER MFG. CO.,

Quincy, Box 42 Illinois

Florence White Orpingtons

HAVE WON FIRST PREMIUMS AT THE LEADING SOUTHERN POULTRY SHOWS.
BREEDING STOCK READY FOR DELIVERY. PRICES VERY REASONABLE.

FLORENCE POULTRY FARM.

FLORENCE, ALABAMA

Our Breeders and their Birds

Mrs. R. L. Motlow, Mulberry, Tenn., starts her Bronze turkey advertisement in this issue. Look it up and write her for prices on stock or eggs. She has a large flock to pick from.

Stickney's Anconas.

If you are in the market for stock or eggs in S. C. Mottled Anconas that are bred to lay, look up the advertisement of F. G. Stickney, Tuscaloosa, Ala. This breeder has been advertising in these columns for a number of years and we are glad to recommend him to our readers.

Giant White Orpingtons.

Look up the advertisement of Mrs. Walter Kenney, Paris, Ky., in this issue. In her advertisement she is offering old and young stock to the readers of the *Industrious Hen* who no doubt are familiar with this strain of birds. She also offers Mammoth Bronze turkeys in her advertisement. Mention the *Industrious Hen* when writing her.

Shofner's Turkeys.

Mrs. J. C. Shofner is one of the oldest breeders of Bronze turkeys in the South, and is considered one of the best turkey judges in the country, as she has judged at some of our largest and best shows. Look up her advertisement and write her for prices and description of anything you want in show or utility birds.

Deer's White Plymouth Rocks.

In this issue, we are publishing the winnings of the recent Armory show, held at Louisville. Be sure to look up the winnings made by F. L. Deer, of Franklin, Ind., on his White Plymouth Rocks. His advertisement appears in this issue and if you are in the market for good stock and eggs at reasonable prices, do not fail to write him.

Columbian Wyandottes.

Miss M. Doll, Louisville, Ky., won first and second cock, and first pen on her Columbian Wyandottes at the recent Louisville show. Her advertisement appears in this issue. She is offering some nice birds at attractive prices. If you are in the market for this breed do not fail to write her.

McAfee's Partridge Wyandottes.

In this issue you will find the advertisement of Harry McAfee, of Lawrenceburg, Ky., breeder of Partridge Wyandottes and White Leghorns. He showed a large string of his Partridge Wyandottes at the recent Louisville show and you will find the winnings in this issue. They certainly speak for the quality of his birds. In writing him for prices on either stock or eggs, please mention the *Industrious Hen*.

Parker's Single Comb Rhode Island Reds.

As usual M. D. Parker, of Sanders, Ky., made a good winning on his S. C. Rhode Island Reds at the Louisville show. Mr. Parker is offering choice birds in both young and old stock at reasonable prices, and if you are in the market for good Reds do not fail to write him, mentioning the *Industrious Hen*. We have handled Mr. Parker's birds for a number of years and can recommend them as to quality to any of our readers.

Vertrees S. C. Rhode Island Whites.

The National Club meet of the Rhode Island White Club of America was held at the recent Armory show at Louisville, and Mrs. C. M. Vertrees, of Cecilian, Ky., had a large entry and won the majority of the best prizes offered. Mrs. Vertrees' R. I. Whites are known the country over, as to the quality. This is the first show she has made for several years. She sells winners for shows all



START RIGHT NOW

to test your eggs with the *Magic Egg Tester*. Do it now to get a line on your breeding hens before setting their eggs. This instrument makes possible successful baby chick raising by anybody using it. It rejects the unhatchable eggs before incubation. Strictly scientific.

THOUSANDS USING IT!!

10 pages of clinching testimonials. Fully guaranteed. One year's trial, if not satisfied cost refunded. Price \$2.00 each. Sent by Parcel Post.

Magic Egg Tester Works, Dept. G. Buffalo, N. Y., also Bridgeburg, Ont.

Rose and S. C. Rhode Island Reds

At the recent poultry show held at the Armory, Louisville, November 22-27, we won first old and fourth young pen on Single Combs and first Rose Comb pullet on four entries. At the Kentucky State Fair, 1915, we won eight regular prizes and color specials. If you want quality at reasonable prices, write us. We have a choice lot of cocks and cockerels for sale. Also fine bunch of utility pullets ready to lay, at \$2.00 each. Write for catalogue and mating list.

DIXIE RED FARM,

R. R. No. 22

Louisville, Ky.

Foster's Buff Orpingtons

HAVE JUST WON at Armory, Louisville, November 22-27, 1915, first cock, first hen and second pullet on four entries in class of seventy-five Buffs. Silver special for best hen in entire show. Cup for best Buff Orpington. Grand quality stock for sale.

G. H. FOSTER,

R. R. No. III,

BLOOMINGTON, INDIANA

over the country, and the winnings made by these birds certainly speak for the quality of birds produced by her each year. Please look up her advertisement in this issue and write for prices on either stock or eggs.

Akerman's White Wyandottes.

At the recent Louisville Armory show, Joe Akerman, of Cartersville, Ga., made a splendid winning in strong competition as follows: Second and fourth cockerel; first and second hen and second pen. His advertisement appears in this issue, and if you are in the market for good White Wyandottes, please look up his ad and write him for prices on either stock and eggs.

R. L. Bratton, of New Ross, Ind., won as follows on his S. C. Rhode Island Reds at the recent Armory show at Louisville: First, second, third and fourth cock; second and fourth cockerel; first, second and fifth hen; second pullet; first young pen and second old pen. Also best cock in the entire show. We have handled Mr. Bratton's birds for several years and can recommend them to any one who is in the market for good birds and fair and honest treatment. In writing him, please mention the *Industrious Hen*. His advertisement appears in this issue.

Loyd's Partridge Plymouth Rocks.

Just as we go to press we are in receipt of a letter from C. J. Loyd & Sons, of Greensburg, Ind., breeders of Partridge Plymouth Rocks, stating that they entered ten birds at the Panama Exposition and won second cock, fifth cockerel, first, second and fifth hen, second, third and sixth pullet, in a strong class. This is certainly a remarkable winning and one that any one should be proud of. If any of our readers are in the market for stock and eggs, we trust that they will write these breeders for catalog and prices. We are sure the quality they offer will please you.

Bonnycastle Brown Leghorns.

The Brown Leghorn class at the recent Armory show was one of the largest in the entire show, but nevertheless the Bonnycastle Poultry Yards came out with a number of the best premiums. If you are in the market for S. C. Brown Leghorns, please look up the advertisement on the outside back cover page and write them for prices.

Dixie Red Farms.

The Dixie Red Farms, Route No. 22, Louisville, Ky., starts an advertisement in this issue. They breed Rose and S. C. Rhode Island Reds.

Just say you saw it in *The Industrious Hen*.

Look Through the Glass Top

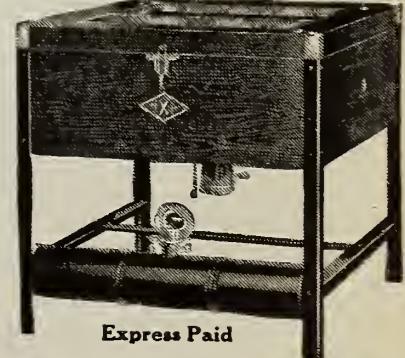


X-Ray Incubators

Hinged Glass Top permits you to see the hatch, read the thermometer and examine the hatching chamber without opening machine.

Fill Lamp Once and You're Through
Put one gallon of oil in the X-Ray tank, light the lamp and X-Ray does the work. One gallon of oil—one filling—for entire hatch. X-Ray automatic trip keeps heat at proper temperature. Send for free book No. 77 on X-Ray Incubators and Brooders. Express prepaid to practically all points.

X-Ray Incubator Co., Dept. 77, Des Moines, Ia.

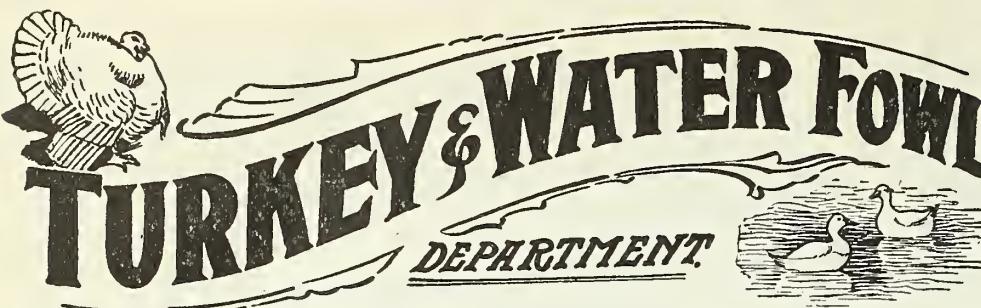


Express Paid

and won at the best shows in the South. Look up their winning at the recent Armory show at Louisville in this issue, also their advertisement and write them for prices and description of birds.

Ridge Spring White Orpingtons.

The Ridge Spring Poultry Farm, Rineyville, Ky., made a splendid winning on their S. C. White Orpingtons at the recent Armory show at Louisville. Look up their winnings in this issue and get their prices on stock or eggs. Their pens are now noted and they can furnish you eggs that will produce winners for you. Their mating list is free.



This department is conducted by Mrs. J. C. Shofner, Mulberry, Tenn., and any questions that you wish to ask will be answered through this department, if addressed to Mrs. Shofner. If a personal reply is wanted, enclose a stamped envelope.

Of Great Importance to Breeders of Fancy Turkeys.

I have been looking over a number of premium lists of different Poultry Associations for Madam Turkey's place, her winnings of big prizes, loving cups, etc., etc., also, her entry fees in comparison with all the other feathered tribe, and find she scarcely has a place of mention, while the bantams, pigeons and lease of featherdom has all sorts of prizes and cups offered.

This should not be so, when we realize the fact that improvement of all breeds should be encouraged, especially in the production of our national bird, that is of great importance on national dining occasions, and Thanksgiving and Christmas dinings are hardly appreciated without turkey. Without our show interest in certain lines, improvement in these lines are likely to go down, and I for one of the Southern turkey breeders want to show my turkeys and want to encourage my customers to make an exhibit but the prizes are so small, entry fees higher than for chickens, and of course express rates higher on account of more weight, there is no wonder that in so many of our shows there are so few turkeys on exhibition.

Turkeys are no more trouble to keep in show room than chickens, and not filthy like ducks and geese, they require more room and possibly a little more feed and water than chickens, but not much more, as a turkey in confinement loses weight and flesh rapidly, as 'tis their nature to glean the fields for green stuff and wild seed, gathered on their daily range, which is very necessary to their health. Confinement is very detrimental to them and should not be kept in coop any longer than can be avoided. Turkeys should be judged among the first fowls at shows, because they begin to look droopy after a few days confinement and though they may be in perfect condition on arrival, they soon get mopish, because it is so contrary to nature.

I realize the fact that a show record is worth the effort to make the exhibit, but many amateur breeders would like for the winnings to amount to something too, and if the prizes given on Barred Rocks, Games, Orpingtons and every known breed of chickens were as insignificant as some of our shows offer on turkeys the number of chickens would soon be like the turkey exhibit. I'm afraid I am bringing this thought before the public, not to offend but to show the officials of poultry associations that they are neglecting an important feature of improvement in the way of encouragement in a money making feature in poultrydom.

I have grown Bronze turkeys for twenty-five years and have seen them improved most wonderfully both in

plumage and size, until we now recognize them as the Mammoth Bronze and the most popular breed grown, then why should we not have Mammoth recognition in clean quarters, with big prizes and loving cups in all the big shows, along with our pet bantams and others that our big turkeys could swallow at one bite.

I hope we will have better prizes and a larger number of turkeys in the show rooms in the future.

In the article above Mrs. Shofner has touched upon a subject that is of vital importance and unless the turkeys are given more recognition in our shows they will gradually drop back. Every show secretary should work and boost to secure as large turkey entries as possible and should offer premiums that will attract turkey breeders to make as large an entry as possible. There has been but little push behind the turkeys in the past few years. We see nothing but small entries at all of our shows and this can only be accounted for by the lack of interest taken by the shows in offering premiums to draw entries in this department.—Editor.

S. C. Rhode Island Reds In hot competition at the Armory show at Louisville, November 22-27, I won first and third cockerel; third and fourth hen and third pen. Look up our winnings at other leading shows during the past five years and get our prices on stock and eggs that will produce winners for you.

B. D. PARKER,

SANDERS, KENTUCKY

S. C. ANCONAS

stock for sale.

F. G. STICKNEY,

My birds are raised on open range and are vigorous and thrifty. They are bred to lay and bred to win. Eggs and

Tuscaloosa, Ala.

Mammoth Bronze Turkeys For Sale

A beautiful flock of 1915 breeding direct from Shofner strain of best prize winners in the South. Prices reasonable. Address

MRS. R. L. MOTLOW,

MULBERRY, TENNESSEE

S. C. Brown Leghorns

From my New York and Boston winners. Can fit you out with a guaranteed winner for any show. Believe I have the best ever produced in both pullet and cockerel line.

**STRAWBERRY HILL POULTRY YARDS,
RICHMOND.**

BOX NO. 287

VIRGINIA

WHITE WYANDOTTES

Eggs for hatching from prize winning stock. Also a few nice cocks and cockerels for sale. I have won prizes at all of the shows that I have entered both this year and last. Write for mating list—FREE.

JOE AKERMAN,

Cartersville, Ga.

Just say you saw it in The Industrious Hen.

Lawson's White Leghorns.

At the East Tennessee Fair strong competition, A. G. Lawson, Cleveland, Tenn., won as follows: First and third cock; first and third hen; first and second cockerel; first, second and third pullets; first and third pen. Sweepstakes for best male and best female in the show. This was September 14-18, 1915.

At the American Poultry Association Show of the South, held in connection with the Chattanooga District Fair, November 2-7, 1915, 300 birds in the show, the best ever shown in the South, Leghorns from six States, he won first young pen; second old pen; first pullet; second cockerel; third hen; second cock, and silver cup for best display in the White Leghorn class.

Start a classified advertisement in our January issue and take advantage of special rate we make you on classified page.

OUR SPECIALTY

Magnolia Scratch Feed

VERY BEST FOR POULTRY

Having equipped our business with facilities for handling grain at a very low cost has enabled us to place on the market a scratch feed at an unusually low price. Write for samples and prices.

CHRIS. MILLER'S SONS

Office and Elevator, 18th and Magnolia

Louisville,

Kentucky



BREEDER OF EXHIBITION
AND HIGH CLASS UTILITY

WHITE LEGHORNS
WYANDOTTES
REGISTERED AIRDALE TERRIERS

Write for catalogue, breeding stock, baby chicks, eggs for hatching MAYWOOD POULTRY FARM, Box 141, ANCHORAGE, KY.

MAYWOOD WHITES
ARE WHITE

THE FASHION PLATES WIN AGAIN

TALKING ABOUT Winnings AT RUSSELVILLE, ARKANSAS, I WON, on Black Orpingtons, Second Cock; First and Second Cock-
erel; First, Second and Third Hen; First, Second, Third and Fourth Pullet; First and Second Pen.
Buff Orpingtons—Second Cock; Second and Third Cockerel; First, Second, Third and Fourth Pullets; Second Pen. Write me your wants.
THE FASHION PLATE ORPINGTON YARDS.

J. H. BROCK, OWNER DOVER, ARKANSAS

STARTING A GOOD FLOCK OF TURKEYS.

Get the Best Birds You Can Buy—
They Are More Profitable in the
End—Your Success Depends on the
Foundation Stock You Have.

(J. C. Clipp.)

HERE are many kinds of turkeys grown in this country, some good, some medium in quality while others are of superior quality. This is the kind most profitable. You can not breed high-class turkeys unless you mate high-class turkeys. It's a great mistake to mate an inferior tom or a tom of lower quality than the hens. It's a true saying indeed that the male is half the flock. Last fall the writer had a customer that had females of the very finest quality, much above the average. I advised him to mate them to the very best tom he could get. After looking our toms over and getting prices, he decided the best toms were too high for him and decided to get one of the medium priced toms, a bird not as good as the females, and the result was his youngsters are not nearly so good as they were a year ago. Had he purchased one of the best toms to have mated with those fine, large hens, he would have had a flock of turkeys that would have netted him at least \$300 more money. I can't see for my life why some people can not see the wisdom of spending \$1.00 in order to make \$10.00. It's really a fact some people are downright too close to make money, any number of people I know are hard run simply because they are too stingy to make money. The writer was invited over to see these turkeys a few days ago and when asked what I thought of them, I said: well they are just as I expected, not near as good as they would have been, had you used a better tom. I again advised him to dispose of every one of these females, except the very best of the young ones and retain the old hens again and buy one of the best toms to mate with them and you will produce a flock far superior to these, and don't you know he would not consider the proposition at all, so I have decided that such people are not to be pitied in the least if they do make a complete failure at almost anything. When any one is so stingy he can't see the wisdom of spending money in order to enable him to make more and better money out of his business, it's no matter how soon he gets to the wall. I have found in the last twenty-five years of breeding Bronze turkeys, if you expect to produce top notch individuals you have got to mate good individuals. I have never been able to produce fine quality by mating inferior birds. The trouble with us, is, we can't find a tom good enough, if I could find a tom of the quality that I want, I would certainly hunt up the price somewhere, for I could make more money out of the investment than any other one thing I

Columbian Wyandottes We can sell you stock or eggs at reasonable prices and will guarantee satisfaction. At the Armory Show our birds won first and second cockerel and first pen, also winners at the Kentucky State Fair. Get our prices on stock or eggs.

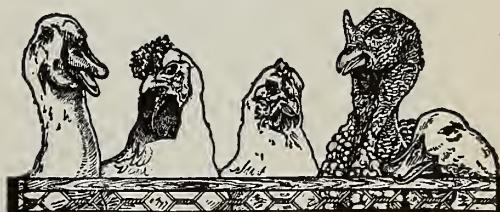
MISS MOLLIE DOLL, Cumb. East 331-A Frankfort and Ewing Aves., LOUISVILLE, KY.

Bratton's S. C. Rhode Island Reds were heavy winners at the Great Armory Show, Louisville, as follows: 1-2-3-4 cock; 2-4 cockerel; 1-2-5 hen; 2 pullet; 1 young pen and 2 old pen; champion cock bird of the show. These winnings were made in strong competition. If you want show, breeding or utility birds, write me for prices. Eggs in season.

R. L. BRATTON, R. R. No. 2 NEW ROSS, INDIANA

know of. Only last week, Mrs. Clipp and myself motored over 84 miles to see a bunch of turkeys that was recommended to us as being as fine as the world has ever produced, but on examining them, we found the color very fine, in fact really above anything we had ever seen, but the size was far below standard, simply so low that every tom would or will be disqualified for "short in weight" under the new standard. Well of course such turkeys are nothing more than scrubs, so what does high color amount to if you haven't size. I don't care how fine the color may be on a turkey if it hasn't the size, we won't use him in our breeding pens. Turkeys are prized highly for their enormous size and if you haven't produced turkeys with at least standard weight, you haven't much turkeys. In mating turkeys, no matter what variety you are breeding, first select those that have plenty of vigor, those that are perfectly healthy and have never been sick a day. I wouldn't give much for a tom that has ever been sick from any cause for a breeder, for he will be a failure when it comes to high fertile eggs. You know that low fertility in eggs means a failure in a crop of turkeys. First see that your hens are large, up to standard weight, next see that they are those that have long, deep body, broad, round breast, with large stout legs, and broad heads. Then look well to the color, they must be heavily bronzed, free from smut or brown edgings, covets must be edged up clear white, with good tail penciling and good wing barrings. Don't tolerate a bird that has gray barring at base of tail, unless they are otherwise exceptionally good and then don't admit but a very little. Hens with this quality are the kind to select and now is the time to select them.

If you put this selection off until after the Christmas holidays they will be all taken up by the more wise breeders. Next, see that you have a tom that has the size, remember under the new standard you are down and out if your turkeys run below six pounds, standard weight and if I had made the standard I would have said Bronze turkeys are disqualified if they drop below four pounds standard weight, this punishment would have done more to elevate the quality of Bronze turkeys than almost any other one thing. Cut out those small, inferior specimens. What's a turkey worth if it's clothed in gold, if it hasn't the size, when they are sold largely by weight. We want a tom, at



ALL READY FOR A GOOD MEAL

If you want eggs this winter—or if you want your birds to fatten up quickly—

Get a Pail of

**Conkey's
POULTRY TONIC**

and start feeding it now.

Conkey's keeps their organs in strong working condition; they have an appetite for their food and that means EGGS or rapid fattening.

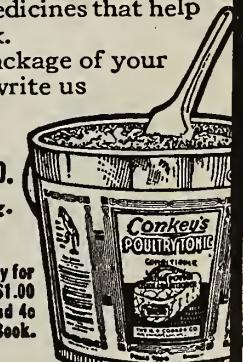
There's nothing in Conkey's Poultry Tonic that can hurt your birds--no cayenne pepper--nor filler--just good medicines that help nature do its work.

Get a Pail or Package of your nearest dealer or write us for prices.

The G. E. Conkey Co.

1011 Conkey Bldg.
CLEVELAND, O.

Use Conkey's Roup Remedy for colds and Roup, 25c, 50c and \$1.00 packages, postpaid. Also send 4c for valuable 80-page Poultry Book.



least two pounds over standard weight, with long deep body, typical in shape, so many large toms are off in shape; a large tom with fine shape is worth much more to me than all others. He must have good, heavy copper bronze running high over back, or at least to the middle of back directly between the wings, with good broad band of copper bronze on covets, edged up with clear white. Tail good in penciling, or as good as we can get, the tail penciling is very hard to get, I know, but I want this section fairly good, with good clear white wing barrings, evenly barred at that.

If we can get this kind of mating, we can produce some good specimens. It's easy for turkeys to fall below stand-

ard weights, but hard to breed them above standard weights. Above every other thing, I will not tolerate inbreeding beyond the second season, of course, sometimes if we have a fine male, we will breed the pullets back on him, but that is as far as I care to go. The art of mating high-class turkeys is no small item, yet, easily understood if one will study nature's laws just a little.

Just at this time of year is when the breeding stock should be selected. Turkeys are high in the markets, consequently will sell as high as breeders, but don't stagger at that, for there is more money in good, well bred turkeys or choice turkeys for the market than any other one thing the American farmer can do. It is good now and will remain so for many years to come. No human being will live to see turkeys cheap again. It may happen in the far distance, but no one living today will ever see cheap turkeys again. Turkeys can be grown, if you will give them the proper care and management and if you will mate high colored turkeys with plenty size you will be able to produce a valuable flock every season.

J. C. CLIPP.

CAN YOU BEAT IT

We give purebred birds absolutely free and start you in a paying and profitable business without a penny's cost to you. Read the letters below. We can do the same for you.

Winchester, Tenn., R. No. 6.
Oct. 29, 1915.

The Industrious Hen,
Louisville, Ky.

Dear Sirs: The pair of S. C. Rhode Island Reds reached me on the 19th all O. K. Am well pleased with them. Thanking you very much for securing such a good pair of birds, I am, Yours truly,

MRS. C. D. GRAY.

St. Elmo, Tenn. Nov. 2, 1915.
The Industrious Hen,
Louisville, Ky.

Dear Sirs: I thank you for the Ancona cockerel received on last Friday, and wish to say that he is very satisfactory. Sincerely,

JNO. HARTLEY.

Look up our offer on inside front cover page and write us now. Don't delay.

Free Copy of Cyphers Co.'s Great 1916 Year Book Now Ready for You.

An annual event for which poultrymen regularly wait, before completing their plans for the new year's work with poultry, is the arrival of Cyphers Incubator Company's annual year-book or catalogue. We are glad to be able to announce now that the year-book for 1916 is ready for mailing. The title of this big, illustrated volume of 172 pages, 7½x10 inches in size, is "The Profits in Poultry Keeping."

Notwithstanding the great cost of printing and mailing this valuable book, the Cyphers Company continues its liberal policy of sending free copies to all who write asking for it. We want every one of our readers who is in any way interested in the poultry business to write at once for a copy of this year-book. You could well afford to pay for it; as a free gift you certainly cannot afford to neglect asking for it.

This year-book describes a complete high-grade line of incubators, brooders, laboratory products, poultry foods and supplies, and all will be pleased to note the very favorable prices quoted. This year there are some particularly interesting announcements that every poultry raiser will want to read.

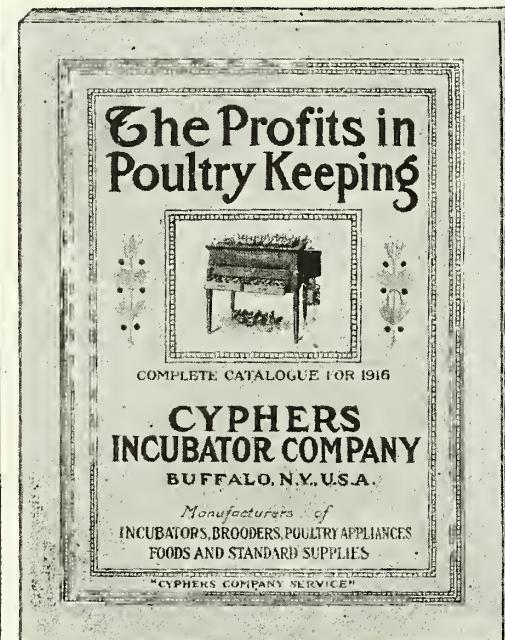
The Cyphers Company has always stood four-square on the subject of high quality of material and workmanship, and it demands the highest possible practical value in all that it offers for sale. The Standard Cyphers in-

cubator holds an enviable place in the esteem of poultrymen the world over, and we are pleased to learn that the two new low-priced incubator models—the Columbia hot-air and the Superior hot-water, introduced last year—also have met with an enthusiastic welcome.

In our opinion the Cyphers Company has rendered poultrymen a real service in introducing these low-priced machines, proving that it is possible to put good, thoroughly reliable hatches on the market at a price so low that every one who keeps fowls, no matter on how small a scale, can afford to buy.

The annual open letter from President Grant M. Curtis, always inspiring, helpful and pace-making in its tone, is relied upon by thousands of poultrymen as a careful and conservative, but always optimistic, analysis of the year's prospects in the poultry world.

We particu'larly want our readers to learn about the Cyphers Company's truly helpful Service Department, fully described in the



year-book. This department is maintained solely to give practical advice and assistance to poultry raisers—not only Cyphers customers, but every one who needs help in making a success with poultry. There is a "Personal Letter Service" capably manned, which answers inquiries directly by letter, and there is no question about the fact that it has proved of incalculable benefit to thousands who have had special problems or difficulties to meet.

The Cyphers "Service" department has prepared a comprehensive series of bulletins dealing with many problems of practical poultry work, and additional bulletins are in course of preparation at the present time. The company also issues free booklets on feeding, brooding and general care of fowls. The 1916 year-book tells all about this helpful literature and how it may be secured free of charge by any one.

We personally urge every reader to send at once for his or her copy of this great year-book and to give it a careful reading. Do not forget to mention this journal. When writing, address Cyphers Incubator Co., Dept. 13-W, Buffalo, N. Y.; Boston, Mass.; New York City, N. Y.; Chicago, Ill.; Kansas City, Mo.; Dallas, Tex.; or Oakland, Cal.

A Brooder for \$2.50.

The Wendell Incubator Company, Holly, Mich., are advertising a brooder in this issue for \$2.50. Be sure to get their catalogue of incubators and brooders and other poultry supplies, which will be sent absolutely free. Please mention this paper when writing them.

Cycle Hatcher.

The Cycle Hatcher Company, of Elmyra, N. Y., are advertising in this issue of the Industrious Hen. This hatcher has been on the market for a number of years and has given universal satisfaction. Write and get their catalogue and prices. This hatcher is suited for both the large and small breeder and will hatch every fertile egg.

McMinn County (Tenn.) Show.

The pou'try show held in connection with the Boys' Corn and Pig Exhibition at Athens, Tenn., was a big success. We are in receipt of report of the show from D. M. Owens, who was in charge and he states that there were thirty-six exhibitors competing for the prizes

offered and not a disqualified bird in the entire show. The cash prizes were, first \$3.00, second \$2.00 and third \$1.00, and all prizes were paid in full immediately after the show. The Barred Rocks, Rhode Island Reds and Pit Games were the largest classes in the show. Shows of this kind do the industry good and every county should hold such exhibits each year.

Save the Eggs.

The advertisement of the Universal Heat Check, Buffalo, N. Y., is in this issue. Stop worrying about chilling or overheating eggs, but order the attachment and save time and worry. It is guaranteed to be just as represented and to do the work. Look up advertisement and write them now.

Send us your subscription for one year and we will give you twenty-four legbands or a Petty poultry punch free.

HALLERS

Headquarters for Poultry Supplies

Agents for leading makes and brands of Incubators, Brooders, Poultry Supplies, Remedies, etc. Mail orders given prompt attention.

Haller's Pet Shop, 103 W. Mkt. St., Louisville, Ky.

How Many Farmers Do You Know?

To Industrious Hen subscribers sending us in December and January the largest and best list of farmers owning their own farms, with P. O. Address, we will give \$10.00 in gold; second prize, \$5.00 in gold; third prize, \$2.50 in gold.

No names will be counted but those of bona fide farm owners, and where two or more lists are sent from same locality, we reserve the right to take equal number of names from each list. Use care in making lists, as larger premiums will be awarded later to those sending in the lists yielding largest amount of business.

All lists must be in before January 20. The names of winners will be published in the first February issue of this paper.

We sell direct to the user Galvanized and Lead Coated Roofings, Metal Shingles, Rubber Roofing and Shingles, Wire Fencing, House and Barn Paints, Tree Trimmers, etc.

We guarantee satisfaction or your money back.

FROM MAKER TO USER

Consumers Mfg. & Supply Co.

Moundsville,

West Virginia



If you are Secretary of your Specialty Club, Poultry Show or Association, be sure to send in your news each month for this department. We will gladly publish same free for you. Also let your members know what the Club and Association are doing. Keep them posted.

Red Breeders Club of the World.

The executive board of the Red Breeders' Club of the World have decided to hold the annual meeting of the club at the Milwaukee, Wis., poultry show, January 21-26, 1916.

The show is offering the club fifty cents per bird special prize money (that is, if 200 birds are shown they give the club \$100 in special prize money; if 300 birds \$150, and so on up), and in addition to these cash specials they will give a handsome silver cup for best display in each variety provided there are 150 entries in each.

The Red Breeders Club of the World has made wonderful strides forward during the past year, having received over 400 new members since their last annual meeting.

In addition to the beautiful cups and ribbons they are giving to their members, each member receives the Rhode Island Red Journal monthly free of charge to them, the club paying the subscription. The membership fee in this up-to-date club is only one dollar, which pays your first year's dues. If you are not a member and are interested in the promotion of this popular breed you should by all means become a member of this wide-awake club by sending one dollar to Aaron Fell, secretary-treasurer, Perryville, Pa.

Beautiful Trophy.

The beautiful cup to be offered by the Ohio Falls Fanciers Association at the Kentucky State Poultry Show, January 3-8, is a token of the good will that now exists between the poultry fanciers near Louisville and those who reside near Lexington. It may be mentioned that the Ohio Falls Fanciers Association, of Louisville, recently purchased this valuable silver cup and sent it to the Kentucky State Poultry Show at Lexington to be offered at the Experiment Station show in January. There is now complete harmony existing between the poultry breeders in all parts of the State and it was with great appreciation that the authorities at Lexington accepted this beautiful token of good will. Probably this valuable trophy will be offered for the best cockerel exhibited at the winter show.

American Barred Plymouth Rock Club Meet.

The national meeting of the American Barred Plymouth Rock Club will be held in connection with the Greater Chicago show, January 13-19, 1916. This club has worked up a magnificent list of specials, which total a little over \$350 in cash and if money counts, this should bring out a magnificent exhibit. All Barred Rock breeders should send to the Chicago Poultry Breeders Association, at Advertising building, for a copy of the premium list, which will give a full list of the distribution of these premiums.

E. J. W. DIETZ,
Assistant Secretary and Manager.

Kentucky State Poultry Show.

The most beautiful poultry show in Kentucky is held at the State University each January during Farmers' Week. Beautiful silver cups and money premiums are offered for the best exhibits of chickens, turkeys, etc. Mr. Theodore Wittman, the greatest living judge of poultry, will tie the ribbons and give a talk. Over two thousand dollars worth of cups are used in the show room and they are supplied to exhibitors free by the university. A splendid lot of speakers will be present to address the poultry raisers and farmers on Wednesday of the week of the show. A catalog will be ready for distribution in a few days.

The Kansas City Poultry Show.

The next regular Kansas City Poultry Show, of which Hon. W. W. Graves, Judge of the Missouri Supreme Court, is president, will be held in Convention Hall, Kansas City, Mo.,

January 10-15, 1916. This show should not be confused with the so-called Kansas City Mid-West Poultry Show, which is held in the State of Kansas. Premium lists ready. E. L. Noyes, secretary, 726 Main street, Kansas City, Mo.

American White Orpington Club.

The American White Orpington Club offers as specials at this show a handsome set of club ribbons, as follows: One for best Single Comb White Orpington cock; one for best Single Comb White Orpington cockerel; one for best Single Comb White Orpington hen; one for best Single Comb White Orpington pullet. Also a handsome club medal for best Single Comb White Orpington pen. The specials are open to members only who are in good standing and have paid dues for current term.

All breeders should join this club and compete for these handsome specials. The membership fee is only \$1.00, which carries you until October 1, 1916. William A. Stolts, secretary, 516 State Life building, Indianapolis, Ind.

Notice to Show Secretaries.—If you will kindly publish the announcement above in your premium list and mail me a copy of same, the specials mentioned will be promptly mailed to you.

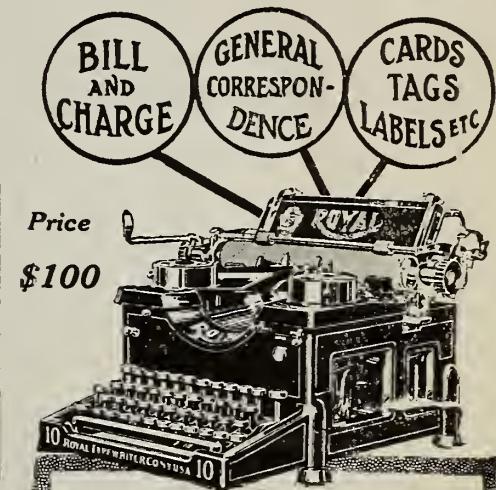
WM. A. STOLTS, Secretary.

Donaldson's S. C. Rhode Island Reds.

We take pleasure in calling our readers' attention to the recent winnings of Mrs. Donald Donaldson, Decatur, Ga., on her Rhode Island Reds. At the Georgia State Fair, just closed, she won first and third cocks; second and third hens; first and third cockerel; first and fourth pullets; first pen; \$5.00 for best

Rhode Island Red display; silver cup for best Rhode Island Red pen; \$10.00 for best cockerel in show; silver cup for best male bird in show; special for best shaped Rhode Island Red. Mrs. Donaldson also won first cock at Memphis, Tenn., in a class of over 300 Reds. The Donaldson Reds have been consistent winners for several years at the largest Southern shows. It will pay you to investigate them if in the market for high class stock.

Don't fail to read our offer on classified advertising on page 81 this issue. It will save you money.



The Royal

does the work of several typewriters in one—it writes, types cards and bills! All this without a dollar for "special" attachments. The one machine does it all.

Write Direct

for our new Brochure, "BETTER SERVICE," and a beautiful Color-Photograph of the New Royal Master-Model 10.

ROYAL TYPEWRITER CO. Inc.
Royal Typewriter Bldg., New York

Postage Paid Both Ways

Anywhere in the U. S. A.

The ORIGINAL PARCEL POST LAUNDRY LOUISVILLE, KY.

30 Years
in Business

Prices
Reasonable

Superior Sanitary Laundering

We pay the postage both ways on all bundles 50c. or over. Work guaranteed first-class. Prompt deliveries in sanitary packages. Will credit you upon reference. Write for information. Better still, send a trial bundle now.

Main Office: 628 W. Jefferson Street, Louisville, Ky.

SINGLE COMB REDS BUFF ORPINGTONS WHITE ORPINGTONS

I have the kind that lay, with the size and color. Some pullets laying at five months of age. Good breeders at \$3.00, \$5.00 and \$10.00 and \$15.00. I can please you. Satisfaction or money back.

S. M. HARBISON,

DANVILLE,

KENTUCKY

S. C. RHODE ISLAND REDS

Bred from prize winners. Cocks and cockerels from \$2.00 up. Pullets from \$1.00 up. Satisfaction guaranteed or money refunded. Address

G. E. TABB, R. NO. 2

ELIZABETHTOWN, KY.

CLAUSEN'S GRAINO MASH FEED

The Great Egg Producer

Every expert on feeding will tell you that you should feed a mash in addition to the grain feed. **Clausen's Grano Mash** is an egg producer and health builder. It contains feed meal, bran, middlings, gluten meal, alfalfa meal, beef scraps, oil meal and ground oats, proportioned to produce the best results.

Write for samples and prices now. Also ask for the **Grano System** of feeding from the time hatched to maturity. It's free. Address

C. J. CLAUSEN,

223 E. Jefferson St., LOUISVILLE, KY.

READ

The Livest Poultry paper in the South, **THE INDUSTRIOUS HEN**. Valuable articles each month on mating, feeding, poultry diseases, etc. Sample copy free. Trial subscription four months 10c. Let us tell you how you can get a pen of pure bred birds absolutely free.

THE INDUSTRIOUS HEN Dept. A Louisville, Ky.

Remarkable Winnings at Big Eastern Shows.

Judging from the number and quality of the birds exhibited at the fall fairs, this will be a big year for poultry shows. Exhibitors and judges alike report that the number of birds shown at the leading fairs this fall has been unusually large and the average quality remarkably high. This fact must lend encouragement to all breeders and exhibitors of standard bred fowls, since it proves that public interest in fancy poultry is not waning.

At some of the fairs which are especially notable for their poultry shows, many of our leading fanciers exhibited fine strings of birds and because of the keen competition all who were fortunate enough to win ribbons have every reason to be proud of their success.

Most of our readers are aware of the fact that the Pratt Food Company, of Philadelphia, maintains the Pratt Poultry Experiment Station for the purpose of conducting experiments in the breeding, feeding and housing of poultry, the prevention and cure of poultry diseases, and other problems which so vitally effect the industry. It may not be so generally known that considerable work in the breeding of exhibition fowls has been carried on at this institution. That this work has been well done is clearly demonstrated by the winnings of the Pratt Poultry Experiment Station birds at three of our leading Eastern fairs. A list of awards as secured by the Pratt strings is given below.

At the West Chester Fair, September 18, 1915, the following prizes were won:

S. C. Black Minorcas—Cock, first and third; hen, first and third. Special, best Minorca in show.

R. C. Black Minorcas—Cock, first; hen, first.

Rhode Island Reds—Cock, first; hen, first. Special, best Red and best Red hen in show.

Barred Plymouth Rocks—Cock, first; pullet, first. Special, best Barred Rock in show.

White Wyandottes—Cock, first; cockerel, second; pullet, second.

White Plymouth Rocks—Cock, second.

Pekin Ducks—Old drake, second and third; old duck, second and third; young drake, first and second; young duck, first and second.

White Runner Ducks—Old drake, first and second; old duck, first and second; young drake, first and second; young duck, first and second.

White Chinese Geese—Old gander, second; old goose, first and second; young gander, first and second; young goose, first and second.

The great Allentown Fair, September 21-24, in particularly keen competition, these birds made the following records:

R. C. Black Minorcas—Cock, first and second; hen, first and second; cockerel, first; pullet, first; pen, first.

S. C. Black Minorcas—Cock, first; hen, first and second; cockerel, second; pullet, first; pen, first.

White Chinese Geese—Four firsts.

Young Pekin Duck—Cup for best waterfowl in show.

In the laying type classes, where emphasis is laid upon business ability, firsts were won in each case by individuals of the following leading utility breeds: S. C. White Leghorns, Barred Rocks, White Wyandottes. First was also awarded on English White Wyandotte pen and American White Wyandotte pen.

The Hagerstown, Md., Fair is particularly noted for its poultry show and the winnings there made are usually a fair index of what may be expected at the winter shows. This big exposition was held October 12-16, and the Pratt birds took home the following ribbons:

Special—Best Black Minorca, both R. C. and S. C.

R. C. Black Minorcas—Cock, first and third; cockerel, first and second; pullet, first and second; hen, first and second; old pen, first; young pen, first.

Single Comb Black Minorcas—Cock, first; pullet, first.

Pekin Ducks—Special, best Pekin duck in show. Young ducks, first and second; young drake, first and second; pen, first.

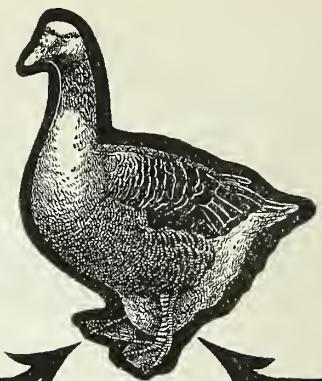
White Runner Ducks—Special, best Runner duck, all varieties competing. Old drake, second; young drake, first; old duck, first; young duck, first; pen, first.

J. W. Crise, of Greensburg, Ind., breeder of Black Langshans exclusively for thirty-three years, originator of the D. M. poultry tablets, met with many of the breeders and exhibitors at the Kentucky State Fair last month. Mr. Crise, in the introduction of his tablets, says, in offering them to the readers of the **Industrious Hen**: "We wish to emphasize the fact that the D. M.'s have been used by practical poultry raisers, amateurs and farmers and that they do even more than we claim for them. What we claim for them: That for all diseases wherein the mucus membrane is involved, be it in head, throat or intestines, causing irritation, inflammation or ulceration, it will allay and heal. It will prevent and cure roup, it will prevent and cure all forms of bowel trouble in fowls and chicks. It's a worm and germ killer." At the poultry show held in Louisville in 1912 many cases of cold and roup were in evidence. A trial treatment to those present resulted in the sale of over 500 boxes from that demonstration.

Chalmers, Ind., R. 12; June 1, 1915.

Mr. Crise: Please send 4 boxes of the D. M.'s to Mr. Fay H. Fisher, R. 12. Would you give me the agency? We have used the D. M.'s for five years; they prevent and cure roup, and since using them have never lost any chicks from white diarrhea. Yours very truly—Joseph J. Lilly.

Carrington Jones, Buntyn, Tenn., at the Memphis Tri-State Fair, won every prize awarded on White Wyandottes except two fifth ribbons, in competition with birds from five States. Also champion hen of the show and numerous cash and cup specials. Indiana State Fair, won second old pen; second hen; second cockerel; third pullet. Chattanooga A. P. A. Show, won first old pen; first, third and fourth hen; first cockerel; third pullet. Getting every entry placed except one pullet.



WE MAKE POULTRY CUTS

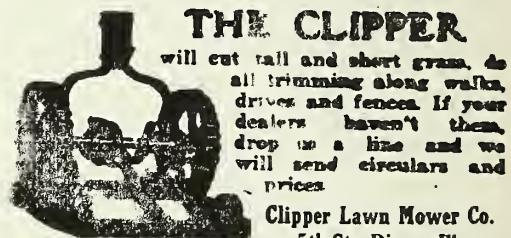
When you have your next cuts made to illustrate your catalog, mating list or advertisement let us make them. Our prices are low and quality of work the best. Use only the best, they bring results. Let us quote you prices on your next work.

TINSLEY-MAYER ENGRAVING CO.

INCORPORATED

Department No. 6

LOUISVILLE, KY.



Coming Attractions

The month of December will bring many notable vaudeville features to B. F. Keith's Theater. For the week of December 5th, Gus Edwards (himself) and his new "Song Revue of 1915," with a company of thirty singers and comedians, will be the headline attraction. This act is conceded to be the most elaborate musical comedy production in vaudeville. Other features are Mary Melville, the eccentric comedienne; Porter J. White and company; McKay and Ardine; Bowers, Walters and Crooker, and others. For December 12th, Matthews and Shayne and company, in their Chinatown fantasy, "Dreamland," will be the topliner, and others are Quiroga, Spanish violinist; "The Married Ladies Club;" Mr. and Mrs. Jimmie Barry; Norton and Nicholson; Webb and Burns; George Brown and company, and the Four Londons. Attractive bills are being prepared for the week of December 19th and 26th.

We want all of our old subscribers and readers to send us a new subscriber before January 1, 1916. Will you secure yours? We will give you a valuable premium.

Money in Honey.

In this issue appears the ad of the American Bee Journal, Box 35, Hamilton, Ill., making a special subscription offer for six months at 25 cents. This is a standard monthly publication dealing exclusively with the raising of bees. Our readers should be especially interested in this publication as it deals with a profitable subject. There is big profit in marketing honey. Their ad appears on page 99.

SPECIAL Combination OFFER

THE INDUSTRIOUS HEN

and any other paper in this list
for only

75 Cents

or any other two papers in this list
for only

\$1.00

We offer you your own selection
from the 40 Largest and Best Poultry
and Farm Magazines in the
World, covering every particular
section of the United States.

Money saved is Money earned.

We can send you **The Industrious Hen** and
any four for \$1.70 or any six for \$2.30

American Poultry World, New York

American Poultry Advocate, New York

Poultry Tribune, Illinois

Poultry Culture, Kansas

Everybody's Poultry Journal, Penn.

Poultry Herald, Minnesota

Poultry Item, Pennsylvania

Poultry Keeper, Illinois

Poultry Success, Ohio

Reliable Poultry Journal, Illinois

Successful Poultry Journal, Illinois

Poultry Breeder, Michigan

Inland Poultry Journal, Indiana

Western Poultry Journal, Iowa

Farm Poultry, Massachusetts

Poultry Record, Ohio

Southern Poultryman, Texas

Poultry Pointers, Michigan

Poultry Review, New York

Pacific Poultryman, California

American Poultryman, Nebraska

Pacific Poultrycraft, California

Poultry Post, Indiana

National Barred Rock Journal, Michigan

The Progressive Poultryman, Georgia

We will send you the **INDUSTRIOUS HEN** and
any of the following agricultural poultry papers
for one year, at special low prices below.

American Poultry Journal	\$1.00
The Ohio Farmer, Ohio	.75
Kentucky Farming, Kentucky	.75
The Rural New Yorker, New York	1.35
Oklahoma Farm Journal, Oklahoma	.75
National Stockman & Farmer, Pa	1.00
National Farmer & Stock Grower, Mo	.75
The National Field, Georgia	1.00
Missouri Farmer, Missouri	.75
Southland Farmer, Texas	.75
Farmer's Guide, Indiana	1.00
Wallace's Farmer, Iowa	1.25
Indiana Farmer, Indiana	.75
Southern Fruit Grower, Tennessee	.75
Southern Ruralist, Georgia	.75
Southern Agriculturist, Tennessee	.75

Remit by Express, P. O. Money Order,
Bank Draft, Registered Letter
or Two Cent Stamps to

BLAIR-YOUNG PUBLISHING CO.
901-2 Great Southern Bldg. Louisville, Ky.

Meyer's Langshans win at America's Best Shows

Are you a breeder of this wonderful strain?
What about those show birds? Write for
my prices and for full description. I have
the finest lot of Langshans this year that
I ever owned. Write me your wants.
All inquiries answered promptly.

W. A. MEYER

Bowling Green, Box D Missouri

FOR THE SOUTHERN FARMER

The South offers the farmer, stock raiser,
dairymen, fruit and truck grower every
opportunity for the best paying farms and
orchards to be found in the United States.
The climatic advantages, the soils responsive
to proper handling, the wide variety
of profitable crops and the excellent markets
at the farmer's command favor him
more than in any other section.

The Industrial and Agricultural Department
of the Southern Railway and Associated Lines is maintained to build up both
the agricultural and industrial interests of
the territory these lines serve. Industrial
and Immigration Agents co-operate with
the people of the territory in its proper
development.

The Agricultural, Farm Demonstration,
Live Stock, Dairy, Poultry and Horticultural
Agents will help the new settler or
the farmer already located in solving the
problems of proper crops, soil treatment,
methods of cultivation and other matters
relating to crop improvement and crop
making.

Market Agents will assist farmers in
finding the best markets for their products.

The South is second to no region as a
field for profitable farming, no other part
of the country has so fine opportunities
for the farmer. No Southern man need
look beyond his own section for all the
advantages and opportunities he needs for
the most successful farming.

M. V. RICHARDS

Industrial and Agricultural Commissioner,
Room 51, WASHINGTON, D. C.

Flanigan's Dark Cornish

Line bred Show Birds and fancy
breeders a specialty. No utility
stock bred. For Sale: Show Birds,
Fancy Breeders and Eggs for Hatch-
ing.

STANDARD POULTRY YARDS
ROUTE NO. 4 MACON, GEORGIA

S. C. RHODE ISLAND REDS

My Reds swept the deck at the Georgia State Fair, winning four firsts, sweepstakes male
bird, and other prizes. First cock Memphis, Tennessee. I can furnish cockerels, eggs and
baby chicks of superb quality.

MRS. DONALD DONALDSON,

DECATUR, GEORGIA

SINGLE COMB WHITE LEGHORNS

LAWSON'S EGG MACHINE STRAIN. If you want to make money making large white eggs,
get the egg machines to do it with, and, too, they always win the blue. Eggs and stock all
times. Cheap for quality, one or a thousand.

WHITE HILL POULTRY FARM, A. J. LAWSON, Prop., Route No. 4 Cleveland, Tenn.

WIN AND LAY SPAIN'S BARRED ROCKS AND M. B. TURKEYS, CHAMPIONS OF VIRGINIA

A nice lot of cockerels with yellow legs and beaks for sale, either dark or light colored. Also
nice lot of pullets. Let me sell you some winners or a good breeder. Satisfaction guaranteed.
I can furnish you blood from my MADISON SQUARE GARDEN tom direct. Let me sell
you a winner for your winter shows or some good breeders.

E. C. SPAIN,

VIRGINIA

BRONZE TURKEYS

BUFF PLYMOUTH ROCKS

"Giant" Strain Bronze Turkeys from Madison Square Garden and great "Hugo-King" 45-lb.
yearling strains. Fine specimens with massive frame and bone that have rich heavy golden
bronze band running high over back and clear white coverts. Choice birds conditioned for any
show or breeding pens carefully mated, no kin. Buff Plymouth Rocks that have been carefully
bred for 20 years, for fine type and rich golden buff plumage throughout. Grand individuals
from our Louisville, Ky., State show winners. Either sex in any number. Prices
reasonable. Write:

J. C. CLIPP,

Box No. 30

SALTILO, INDIANA

**Big dark velvety red rose and single comb Rhode Island Reds and
big boned, deep rich colored Golden Buff Orpingtons.** Our stock
all bred from highest sources and best blood lines. **All trap-nested** and
bred to **lay**. Have some beautiful cockerels of above breeds; sell them at
a low price to make room for younger ones. Write quick for mating list
and prices.

AVA POULTRY YARDS,

AVA. MISSOURI

PULLETS

2,500 BARRED AND WHITE ROCKS, S. C. WHITE LEGHORNS AND WHITE WYANDOTTE PULLETS

at attractive prices. March and April hatch, reared and grown on range, fully ma-
tured and developed and ready to do business. Leghorn pullets, \$1.00 each—90
cents each in 100 lots. Rock and Wyandotte pullets, \$1.25 each—\$1.10 each in 100
lots. No culs, but healthy, vigorous specimens. We also have 1,000 yearling hens at
prices that will move them quickly. Leghorns, 75 cents each in any quantity.
Rocks and Wyandottes, \$1.00 each in any quantity. They are grand in type and
shape and would make splendid breeders. Two hundred good, big, husky, snappy,
breeding cockerels, March hatched and with quality hard to beat, \$2.00 each. Satis-
faction guaranteed with every sale.

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Cincinnati

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**\$3.00 HEN THAT LAYS \$21.27 IN
EGGS IN ONE YEAR.**

This is why there is such an increasing demand for my Anconas.



SHEPPARD'S FAMOUS ANCONAS

Have won first at the world's greatest shows, including London, England, Cleveland and Madison Square Garden, N. Y. For seven consecutive years

my birds have won three times as many first and second prizes at the Nation's greatest shows as all my competitors together, so have earned the distinction of being

THE WORLD'S BEST

They are famous egg machines and the greatest winter layers, with the wonderful egg record of

256 Average for a Flock If you want to win at your show or increase your egg production, write for a catalogue. Stock, eggs and chicks for sale.

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BOX H-2

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Single Comb Brown Leghorns!

Winners at Louisville, Lexington, Ky., Knoxville, Tenn., New Albany, Ind., Hamilton, Ohio, Indianapolis, Ind., Augusta, Ga. Cockerels at \$3 and \$5 each; Pullets at \$2 to \$5 each. Exhibition stock special prices.

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Black Minorca Sensation at Hagerstown

Winning First and Special Cock, First Hen, Second and Fourth Cockerels, First Old Pen, in the best and largest class of S. C. Black Minorcas ever shown there. A few good show birds left.

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A GREAT BARGAIN SALE OF WHITE PLYMOUTH ROCKS

Eventually you will want the best. Why not get them to start with, and save disappointment and loss in the end?

In order to make room for winter I am offering yearling hens and cock birds (birds that could not have been bought at any price during the breeding season) at greatly reduced prices. Thirty yearling hens at \$3.00 each—\$75.00 for the 30. Eight yearling hens and one yearling cock bird for \$25.00.

At Kentucky State Fair I won in the largest and best class ever shown in Kentucky, competing against birds from Halbach of Wisconsin; United Farms of Indiana; Brinkley of Mississippi, and Owen Farms of Massachusetts, 1st hen, 2d and 4th cock, 2d, 3d and 4th cockerel, 3d and 4th pullet, 2d pen. Made a clean sweep at Pennyroyal Fair, Hopkinsville, Ky., as also at Hardin County Fair. My pen in the Missouri National Egg Laying Contest is leading all other White Rocks by more than a hundred eggs. **SATISFACTION POSITIVELY GUARANTEED OR MONEY REFUNDED, AND NO QUESTIONS ASKED.** Address

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W. B. JENKINS, Prop.

Glendale, Ky.

A FORCED SALE

Having sold our farm, we advertised a closing out sale, but now we have sold our home property and are forced to sell our beautiful birds at once. Send for prices and list of winnings.

THE CATALPAS POULTRY YARDS, breeders of Barred Plymouth Rocks, S. C. R. I. Reds, White Wyandottes, S. C. White Leghorns, Rufus Red Belgian Hares, Fox Terriers and Shetland Ponies. Everything thoroughbred.

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